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SEPTEMBER 1987

ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1952

Elaine M. Sandknop
Richard L. Charter
H. Geoffrey Moser
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ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1952. It is the second report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1491 stations was occupied during 11 monthly multivessel cruises over the quarter-million square mile survey area which extends from the California-Oregon border to Cape San Lucas, Mexico and seaward to several hundred miles. The data are listed in a series of 6 tables; the background, methodology, and information necessary for interpretation and quantitative analysis of the data are presented in an accompanying text. All pertinent station and tow data, including volumes of water strained and standard haul factors are listed in the first table. Another key table lists, by station and month, standardized counts of each of the 120 larval fish categories identified from survey samples. This and previous and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the newly developed computer data base.

INTRODUCTION

This report, the second of a series, provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) joint biological-oceanographic survey cruises conducted in 1952. This program was initiated in 1949, under the sponsorship of the Marine Research Committee of the State of California, to study the population fluctuations of the Pacific sardine (*Sardinops sagax*) and the environmental factors that may play a role in such fluctuations. CalCOFI, known as the California Cooperative Sardine Research Program from 1949 to 1953, was made up of representatives of the South Pacific Fisheries Investigations (SPFI) of the U.S. Fish and Wildlife Service [now the La Jolla Laboratory, National Marine Fisheries Service (NMFS)], the Scripps Institution of Oceanography (SIO), the California Department of Fish and Game (CDFG), the California Academy of Sciences (CAS) and the Hopkins Marine Station of Stanford University. The first three of these agencies supplied ships and personnel to conduct the sea surveys. NMFS processed the plankton samples and analyzed the ichthyoplankton from them. SIO processed and analyzed the hydrographic samples and measurements and also analyzed invertebrate groups from the plankton samples.

The boundaries, station placement, and sampling frequency for the CalCOFI survey area were based on the results of joint biological and oceanographic cruises conducted by NMFS and SIO during 1939-41. Those cruises were designed to collect sardine eggs and larvae and associated hydrographic data over the entire areal and seasonal spawning range of the species. On these survey cruises, plankton tows were made to 70 m, a depth which

encompassed the vertical distribution of sardine eggs and larvae. Wide-ranging joint biological and oceanographic survey cruises were resumed in 1949 with sardine as the focus; however, an increasing interest in other biological components resulted in the deepening of standard tows to 140 m in 1951. This marked the beginning of truly quantitative ichthyoplankton sampling on CalCOFI surveys.

Data resulting from CalCOFI surveys in 1952 have been published in a number of forms. Hydrographic data (Reid et al., 1965), zooplankton volumes (Staff, SPFI, 1953; Thrailkill, 1956; Smith, 1971) and ichthyoplankton data for selected species (Ahlstrom, 1954) were presented in standard formats. The latter lists counts for eggs and larvae of sardine and for larvae of northern anchovy (*Engraulis mordax*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), Pacific hake (*Merluccius productus*), and rockfishes (*Sebastes* spp.). Also, length frequencies are listed for sardine, anchovy, and jack mackerel larvae. Distribution maps of larvae of 5 of these taxa taken on CalCOFI surveys during 1952 are presented in the CalCOFI Atlas series (Kramer and Ahlstrom, 1968; Ahlstrom, 1969; Kramer, 1970; Ahlstrom et al., 1978).

A computer data base for eggs and larvae of sardine and anchovy and for larvae of hake, and the two mackerels was established in 1969. The development of a data base for other fish larvae is a complex undertaking because competency of identification has evolved steadily over the past 38 years. We began the task of producing a CalCOFI ichthyoplankton data base and associated data report series in 1983. All available original records for 1952 were subjected to an extensive verification and editing process to produce this report. This, and previous (Ambrose et al., 1987) and subsequent reports, make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the computer data base. The data base will be modified when additional errors are discovered and when composite taxa from the earlier years are reidentified. These reports are the fundamental reference documents against which subsequent changes in the data base can be compared.

SAMPLING AREA AND PATTERN

In 1952, CalCOFI survey cruises were conducted at monthly intervals, except during December. A total of 1491 stations included in this data base was occupied on 11 cruises, with an average of 135 stations per cruise (range of 88 - 227). Coverage of the survey station pattern varied among cruises and the entire quarter-million square mile survey area was not covered on any single cruise (Figures 1-12; Table 1). The area off northern California (lines 40-57) was sampled only in June and July. Coverage off central California (lines 60-77) was more consistent with stations occupied monthly, from April to November. While the area surveyed during 1952 was less extensive than in 1951, the coverage between Pt. Conception, California and Pt. San

Juanico, Baja California (lines 80-137) was sampled more consistently and was surveyed on all 11 cruises. The area off southern Baja California (lines 140-150) was surveyed only once (February). Offshore coverage was not as extensive as in 1951 and occasionally reached station 110 (approximately 250 miles offshore) only on lines 60 and 80. Station 90 was the most seaward station sampled over most of the pattern. Offshore coverage was greatest from January to July and diminished during later cruises.¹

Seven vessels were employed on these cruises: the *Black Douglas* of NMFS; the *Crest*, *Horizon*, *Paolina T*, *Spencer F. Baird*, and *E. W. Scripps* of SIO; and the *Yellowfin* of CDFG. Two to four vessels participated on each cruise with three being the usual number. The *Crest* was used on all cruises except 5205 and the *Black Douglas* on all but 5207, 5209, and 5210. The other five vessels participated on a total of 14 cruises (Ahlstrom, 1954).

SAMPLING GEAR AND METHODS

The standard CalCOFI net used from 1949 to 1969 had a 1-m diameter mouth opening (0.785 m² area) and an overall length of about 5 m. The net was constructed of 30xxx gauze, a heavy duty grade of silk bolting cloth, with a mesh size of 0.55 mm after shrinkage. The last 40 cm of the cone and the cod end were constructed of 56xxx grit gauze which had a mesh size of 0.25 mm after shrinkage. The net ring was fastened to a short 3-lead bridle connected to several meters of line which attached to the towing cable by a clamp. A current meter was suspended in the center of the net mouth to measure volume of water filtered (see Kramer et al., 1972, for further details).

The standard tow from 1951 through 1968 was an oblique haul to 140 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. 3m³/m of depth) over the vertical range of most ichthyoplankters. Hauls were made at a ship speed of 1.5-2.0 knots and initiated by

¹CalCOFI lines (Figure 13) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

clamping the net line to the towing cable with the 45 kg terminal weight about 10-15 m below the surface. The net was lowered to 140 m depth by paying out 200 m of wire over a 4 minute period (35 m of depth/min.). After fishing at depth for 30 seconds, the net was retrieved at 20 m/min. (14 m depth/min.). The angle of stray of the towing cable was recorded every 30 seconds and maintained at 45° ($\pm 3^{\circ}$) by adjusting the ship speed and course. After reaching the surface, the net was washed down and the samples preserved in 5% formalin buffered with sodium borate. Flowmeter readings were made at the beginning and end of each tow. Detailed descriptions of gear and methods are given by Ahlstrom (1954), Kramer et al. (1972), and Smith and Richardson (1977).

LABORATORY PROCEDURES

Laboratory processing began with the determination of a displacement volume for each sample (methods described in Staff, SPFI, 1953 and Kramer et al., 1972). Zooplankton volumes (including ichthyoplankton) of samples collected in 1952 are listed in Staff, SPFI (1953) and presented graphically in Thrailkill (1956) and Smith (1971).

Sorting involved the removal of ichthyoplankton from the sample and identification and separation of eggs and larvae of selected species (see introduction). Usually, each sample was sorted completely; however, some of the samples were fractioned into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Several criteria² were used to determine whether a sample was fractioned: samples containing an abundance of thaliacians and coelenterates and exceeding 150 ml in total plankton volume were fractioned (to 50%, 25%, 12.5%, or 6.25%) to approximate a reduced volume of 50 ml for sorting; samples with an excessive quantity of fish eggs and/or larvae were occasionally fractioned to expedite the sorting process in order to meet scheduled deadlines. If the identified fraction of an aliquot yielded rare or interesting species of fish larvae, the remaining fraction was frequently sorted and identified with the intent of finding additional specimens. Aliquot percentages for fractioned samples from 1952 are listed in Table 1 under the "Percent Sorted" column.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the number in 10 m³ of water strained per meter of depth fished. If the vertical distribution of the species has been encompassed, then the adjusted value is equivalent to the number under 10 m² of sea surface. The SHF is calculated for each haul by the formula:

²Personal communication, James R. Thrailkill, National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, CA.

$$SHF = \frac{10 D}{V}$$

where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m)

V = total volume of water (m³) strained during the haul

$$V = R \cdot a \cdot p$$

where R = total number of revolutions of the current meter during the haul

a = area (m²) of the mouth of the net

p = length of column of water (m) needed to produce one revolution of the current meter.

Tow depth, volume of water strained, and standard haul factor are listed in Table 1 for each tow taken during 1952. Detailed descriptions of factors involved in calculating these values are presented in Ahlstrom (1948), Kramer et al. (1972), and Smith and Richardson (1977).

IDENTIFICATION

Identification of ichthyoplankton species beyond those separated during the sorting process was carried out by a separate group of specialists. Ontogenetic stages of fishes are inherently difficult to identify and this is further complicated by the large number and diversity of species which contribute to the ichthyoplankton of the California Current region. Most identifications were accomplished by establishing ontogenetic series on the basis of morphology, meristics, and pigmentation and then identifying these series by relating them to known metamorphic, juvenile, or adult stages with overlapping features (Powles and Markle, 1984). A total of about 118 taxa was identified for 1952, with 67 taken to species, 21 to genus, 25 to family, and 5 to order. Some of the developmental series recognized originally could not be assigned scientific names, particularly in the Bathylagidae, Myctophidae, and Pleuronectiformes. These were given descriptive names, which later were changed to scientific names as they became known.

The task of producing a reliable and equitable ichthyoplankton data base required extensive procedures to verify, correct, and edit the original identifications. The primary data source was the original identification sheets (see Kramer et al., 1972, for examples); however, a critical resource used in all phases of this process was the CalCOFI

ichthyoplankton collection in which the samples are archived. Throughout the course of CalCOFI ichthyoplankton studies, samples have been identified to the lowest taxon possible. In reviewing these identifications for the data base, our approach has been conservative and we have preserved those identifications and counts which we could confirm, while correcting as many of the errors as possible. During the coding of the identification sheets, the "descriptive types" were assigned scientific names and reexamined, if necessary. After computer entry, taxonomic errors and inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In many cases, identifications of a taxon were inconsistent among cruises in a year, because of varying competency of identifiers. These records were made equitable by lumping to the higher taxonomic category to avoid biases that could result in quantitative misinterpretations.

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1952 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

Anguilliformes - tentative and sporadic identifications to family or lower taxon lumped to order.

Sardinops sagax - all specimens south of line 120 checked for misidentification of *Opisthonema* spp.

Engraulidae - includes nearshore taxa (mostly *Anchoa* spp.) large enough to separate from *Engraulis mordax*; some nearshore samples of small *E. mordax* may contain other anchovy genera, but could not be differentiated.

Nansenia spp. - all specimens checked and identified as *N. candida* or *N. crassa*; all specimens of these species near their range boundaries checked.

Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked; all listings of *Bathophilus* spp. were specimens of *T. macropus*.

Scopelarchidae - tentative and sporadic identifications to genus lumped to family.

Lampanyctus spp. - tentative and sporadic identifications to species (mostly descriptive types) lumped to genus.

Stenobranchius leucopsarus - all specimens at margins of range checked.

Diogenichthys spp. - all specimens reidentified to species; residuals are small poorly preserved specimens.

Diogenichthys atlanticus - all specimens at margins of range checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Electrona rissoi - recognition of this species was inconsistent and others may be included in *Protomyctophum crockeri* or Myctophidae; no original identifications were recorded in 1952.

Hygophum spp. - all specimens reidentified to species; residuals are small, poorly preserved specimens.

Protomyctophum crockeri - some samples on northern lines may contain *P. thompsoni*, which was not identified at the time.

Symbolophorus californiensis - all specimens south of line 120 checked for confusion with *Hygophum* spp., stemming from descriptive names.

Merluccius productus - all specimens south of line 140 checked.

Ophidiiformes - this category did not exist originally and ophidiiform larvae were included in *Brosmophysis marginata*, Carapidae, "*Otophidium*", "*Zoarcidae*", and "blenny"; identifications of *B. marginata* proved to be mostly correct and "*Zoarcidae*" to be a yet unidentified ophidiiform species; all "*Otophidium*" and "blenny" were reexamined and the former included *Ophidion scrippsae*, *Chilara taylori* and other ophidiiform taxa (moved to order); "blenny" contained *O. scrippsae*, *C. taylori*, and other ophidiiform taxa in addition to true blennioids.

Ceratioidei - identifications of this group were inconsistent and additional specimens may be in the unidentified fish larva category.

Trachipteridae - tentative and sporadic identifications to genus were lumped to family.

Melamphaes spp. - all identifications ascribed to Melamphaidae were reexamined and assigned to genus (*Melamphaes*, *Poromitra*) or species (*Scopelogadus bispinosus*); larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain other melamphaid genera.

Cottidae - some samples may include specimens of *Scorpaenichthys marmoratus*, hexagrammids (e.g., *Oxylebius pictus*, *Zaniolepis* spp.), and some blennioids (e.g., *Hypsoblennius* spp.).

Zaniolepis spp. - not identified originally; specimen identified recently from Cottidae.

Scorpaenidae - now includes genera (*Pontinus*, *Scorpaena*, *Scorpaenodes*) other than *Sebastes*; some of these other genera remain in *Sebastes*, particularly on southern lines.

Sebastes spp. - in addition to other scorpaenid genera, category includes some *Prionotus* spp., serranids, scombrids, and other spiny-headed shorefishes, particularly in samples south of line 120.

Hypsoblennius spp. - some specimens remain in Cottidae.

Clinidae - some specimens remain in Cottidae or unidentified fish larva category.

Labridae - tentative and sporadic identifications to genus were lumped to family.

Chromis punctipinnis - records south of about line 120 may include other pomacentrid taxa.

Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus*) were lumped to family.

Gerreidae - larvae of this family and other shorefishes (e.g., Haemulidae, *Caulolatilus princeps*, Mullidae, Priacanthidae) were not identified and may be in the unidentified fish larva category or may be misidentified as *Sebastes* spp., Cottidae, etc.

Girella nigricans - all specimens checked.

Medialuna californiensis - all specimens checked.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reasigned; underrepresentation or absence of these taxa may be attributed to misidentification or they may be in the unidentified fish larva category.

Nomeidae - absence of this family attributed to misidentification or placement in unidentified fish larva category.

Pleuronectiformes - all available specimens of this category (originally called "flatfish") were examined and reidentified; residuals are small, poorly preserved specimens.

Bothidae - all specimens examined and most were reassigned to various paralichthyid genera or to *Bothus* spp.

Citharichthys spp. - tentative and sporadic identifications to species were lumped to genus, which also includes *Etropus* spp. and some other flatfish taxa from original misidentifications.

Hippoglossina spp. - all specimens of this genus (originally called "pigmented bothid") were assigned to *H. stomata*.

Paralichthys spp. - all specimens of this genus were examined and most were assigned to *P. californicus* or *Xystreureys liolepis*.

Syacium ovale - all specimens examined (originally called "spiny-headed bothid").

Xystreureys liolepis - originally misidentified as *Paralichthys californicus*; all specimens reidentified.

Glyptocephalus zachirus - all specimens examined.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species; residuals are small, poorly preserved specimens.

Psettichthys melanostictus - absence of this species may be explained by misidentification with other flatfish species (e.g., *Lyopsetta exilis*) which we did not reexamine systematically.

COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of California, San Diego Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and

saury (*Cololabis saira*); numbers of larvae of sardine, anchovy, hake, jack mackerel, and Pacific mackerel; total number of fish eggs; and total number of fish larvae.

Discrepancies in ichthyoplankton data in these two files were corrected by inspecting original records from the sorting laboratory, the original ichthyoplankton identification sheets, and the samples themselves. Station and tow data discrepancies between the two files were corrected by reviewing ships' logs and deck tow sheets, original records from the sorting laboratory, cruise announcements, publications, header information on the ichthyoplankton identification sheets, and station plots generated for each cruise. Eventually all station and tow data were checked by comparing these sources.

The corrected ichthyoplankton data base was then examined statistically and outliers were found and checked as above. Distributional plots were then prepared for each taxon and these were checked by reviewing the data sources mentioned above and by examining archived specimens. A listing of each taxon by station (Table 4) was produced, which became the primary document for subsequent checks. Misidentifications found in geographic outlier checks and other misidentifications and data problems discovered in the course of examining archived samples resulted in several iterations of Table 4. Finally, totals in Table 4 were checked against annual summaries of incidence and abundance (Tables 2 and 3). Ecological analyses of the data (Moser et al., 1987) were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Larvae of northern anchovy (*Engraulis mordax*) represented 16% of all fish larvae taken on CalCOFI cruises in 1952 and ranked 4th in occurrence (Tables 2 and 3). The next most abundant species, Pacific hake (*Merluccius productus*), represented 15.4% of all fish larvae taken. The deepsea smelt (*Leuroglossus stilbius*) and sardine (*Sardinops sagax*) ranked 3rd and 4th in abundance. Sardine incidence was comparatively low (15th) as was hake (12th) indicating relatively large sample sizes. The next most abundant species, a lanternfish (*Triphoturus mexicanus*), the sanddab genus *Citharichthys*, and a gonostomatid (*Vinciguerrria lucetia*), ranked 5th, 6th, and 7th respectively. *Triphoturus mexicanus* ranked 1st in occurrence. Jack mackerel larvae (*Trachurus symmetricus*) ranked 8th in abundance and occurrence. Larvae of *Sebastes* spp., a composite of about 70 species, ranked 9th in abundance and 2nd in occurrence. The 10th ranked taxon in abundance was a lanternfish (*Stenobranchius leucopsarus*). These 10 top-ranking taxa contributed 84.5% of all larvae taken during 1952. The remaining 15.5% is represented by 108 taxa plus the "unidentified" and "disintegrated" categories. Of the 10 taxa, 4 were midwater species, 3 were coastal demersal species or generic groupings, and 3 were coastal pelagic species.

EXPLANATION OF TABLES

- Table 1 - This table lists by cruise the pertinent station and tow data for 1952, the volume of water filtered and standard haul factor for each tow, the percent of sample sorted, and the total numbers of fish eggs and larvae. CalCOFI cruises are designated by four digits; the first two indicate the year and the second two the month. Within each cruise the data are listed in order of increasing line and station number (southerly and seaward directions); the order of station occupancy is shown on the station charts (Figures 2-13). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Decimal fractions were not used in 1952. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: BD, *Black Douglas*; CR, *Crest*; HO, *Horizon*; PT, *Paolina T*; ES, *E. W. Scripps*; SB, *Spencer F. Baird*; YE, *Yellowfin*.
- Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1952 in ranked order.
- Table 3 - This table lists pooled counts of all larval fish taxa taken during 1952 in ranked order. Numbers are adjusted for percent sorted and standard haul factors.
- Table 4 - This table gives numbers of fish larvae for each taxon, listed by station and calendar month in which the tow was taken. Counts are adjusted for percent of sample sorted and standard haul factor. Average values are given for stations occupied more than once during a month. See Table 1 for station and tow data and Table 6 for listing of stations with multiple occupancies during a month. Multiple occupancies occurred when a station was occupied more than once in the same calendar month; in some cases, multiple occupancies resulted from separate cruises. The orders are listed in "phylogenetic" sequence modified from Nelson (1984). Subtaxa within each order are listed alphabetically. Page numbers for each taxon are given in the index at the end of the report.
- Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1952.

ACKNOWLEDGMENTS

Elbert Ahlstrom, David Kramer, Robert Counts, and James Thrailkill originally identified larvae from CalCOFI cruises of 1952. Ronald Whyte coded each larval fish taxon or type and Rita Ford entered them into the computer. Debby Snow efficiently assisted in all aspects of data editing and retrieval. Cindy Meyer and Larry Zins provided programming assistance. Dorothy Roll designed the CalCOFI data acquisition system and provided data processing support. Ken Raymond, Roy Allen, and Henry Orr helped with graphics and production of the report. Lorraine Prescott and Diane Forsythe prepared the manuscript for printing. Paul Smith determined statistical outliers, provided assistance during geographical outlier checks and offered helpful suggestions throughout the project. Izadore Barrett, Director of the Southwest Fisheries Center and Reuben Lasker, Chief, Coastal Fisheries Resources Division, SWFC, provided the support critical to the completion of the project. James Thrailkill planned CalCOFI surveys and supervised cruises, data handling, and plankton sorting from 1949 to 1986 and is largely responsible for the high quality of these operations. Without the vision and direction of Elbert Ahlstrom and Elton Sette and the dedicated efforts of the many people who collected, processed, and analyzed the samples, this data base would not exist.

LITERATURE CITED

- Ahlstrom, E. H. 1948. A record of pilchard eggs and larvae collected during surveys made in 1939 to 1941. U.S. Fish Wildl. Serv. SSRF 54, 82 p.
- Ahlstrom, E. H. 1954. Pilchard eggs and larvae and other fish larvae, Pacific Coast - 1952. U.S. Fish Wildl. Serv. SSRF 123, 76 p.
- Ahlstrom, E. H. 1969. Distributional atlas of fish larvae in the California Current region: jack mackerel, *Trachurus symmetricus*, and Pacific hake, *Merluccius productus*, 1951 through 1966. CalCOFI Atlas No. 11:xi + 187 p.
- Ahlstrom, E. H., H. G. Moser, and E. M. Sandknop. 1973. Distributional atlas of fish larvae in the California Current region: Rockfishes, *Sebastes* spp., 1950 through 1975. CalCOFI Atlas No. 26: xxi + 178 p.
- Ambrose, D. A., R. L. Charter, H. G. Moser, and C. R. Santos Methot. 1987. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1951. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 79, 196 p.
- Haight, C. A., H. G. Moser, and P. E. Smith. 1979. Data entry programs: CalCOFI. II. Fish eggs and larvae identification sheet. National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, Admin. Rept. No. LJ-79-25.
- Kramer, D. 1970. Distributional atlas of fish eggs and larvae in the California current region: Pacific sardine, *Sardinops caerulea* (Girard), 1951 through 1966. CalCOFI Atlas No. 12:vi + 277 p.
- Kramer, D. and E. H. Ahlstrom. 1968. Distributional atlas of fish larvae in the California Current region: Northern anchovy, *Engraulis mordax* (Girard), 1951 through 1965. CalCOFI Atlas No. 9: xi + 269 p.
- Kramer, D., M. Kalin, E. G. Stevens, J. R. Thrailkill, and J. R. Zweifel. 1972. Collecting and processing data on fish eggs and larvae in the California Current Region. NOAA Tech. Rep. NMFS Circ. 370, 38 p.
- McEwen, G. F., M. W. Johnson, and T. R. Folsom. 1954. A statistical analysis of the performance of the Folsom Plankton Sample Splitter, based on test observations. Arch. Meteor. Geophys. Bioklim. Ser. A, 7:502-527.

- Moser, H. G., P. E. Smith, and L. E. Eber. 1987. Larval fish assemblages in the California Current region during 1954-1960, a period of dynamic environmental change. CalCOFI Rep. 28:97-127.
- Nelson, J. S. 1984. Fishes of the world. John Wiley and Sons, N.Y., 523 p.
- Powles, H. and D. F. Markle. 1984. Identification of larvae, p. 31-33. In: Ontogeny and systematics of fishes. H. G. Moser, W. J. Richards, D. M. Cohen, M. P. Fahay, A. W. Kendall, Jr., and S. L. Richardson (eds.). Spec. Publ. No. 1. Amer. Soc. Ichthyol. Herpetol., 760 p.
- Reid, J. L., Jr., R. S. Arthur, and E. B. Bennett, (eds.). 1965. Oceanic observations of the Pacific: 1952. Univ. Calif. Press, Berkeley, 617 p.
- Smith, P. E. 1971. Distributional atlas of zooplankton volume in the California Current region, 1951 through 1966. CalCOFI Atlas No. 13: xvi + 144 p.
- Smith, P. E. and S. L. Richardson. 1977. Standard techniques for pelagic fish egg and larva surveys. FAO Fish. Tech. Pap. No. 175, 100 p.
- Staff, South Pacific Fishery Investigations. 1953. Zooplankton volumes off the Pacific Coast, 1952. U.S. Fish Wildl. Serv. SSRF 100, 41 p.
- Thrailkill, J. R. 1956. Relative areal zooplankton abundance off the Pacific coast. U.S. Fish Wildl. Serv. SSRF 188, 85 p.

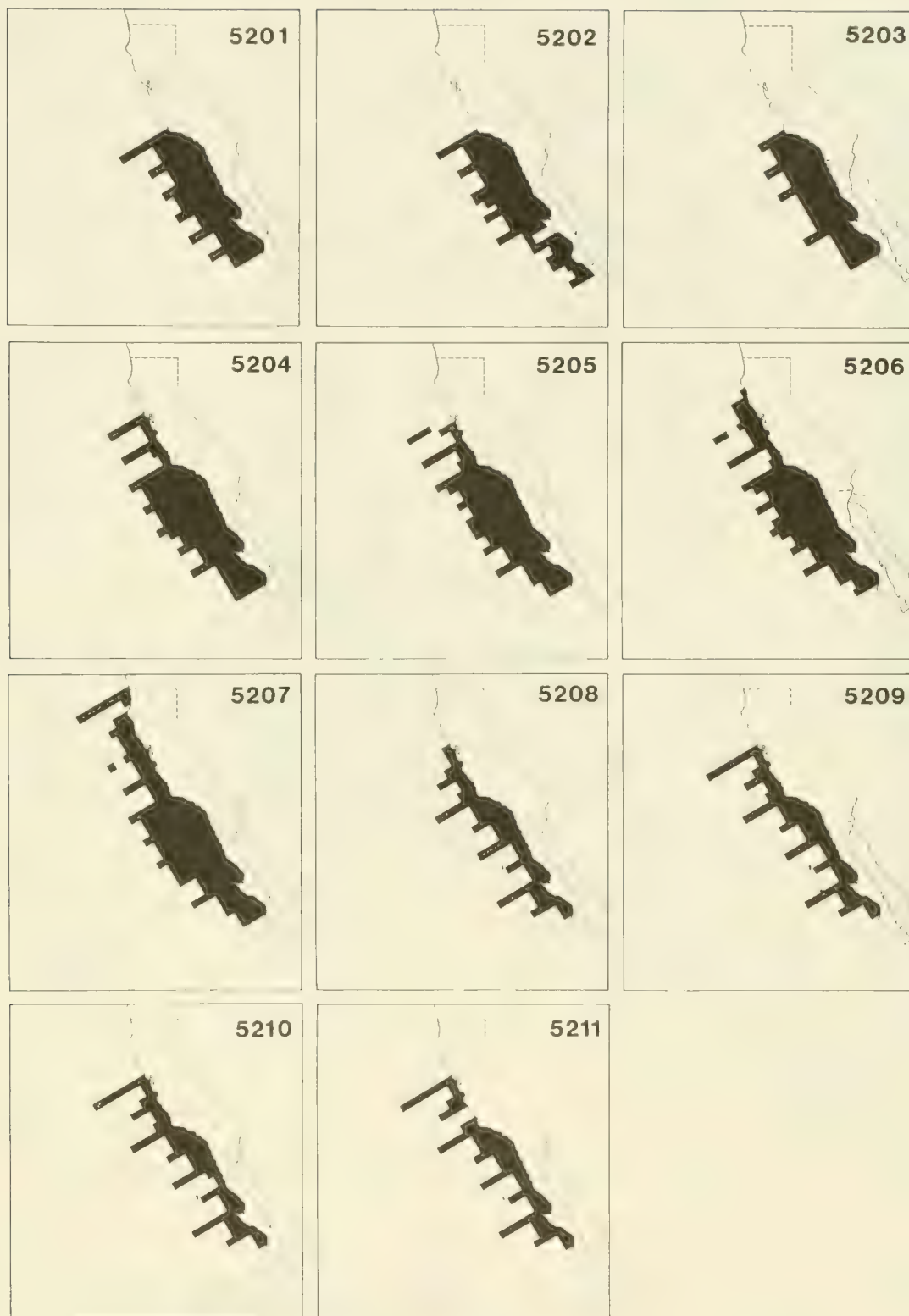


Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1952.

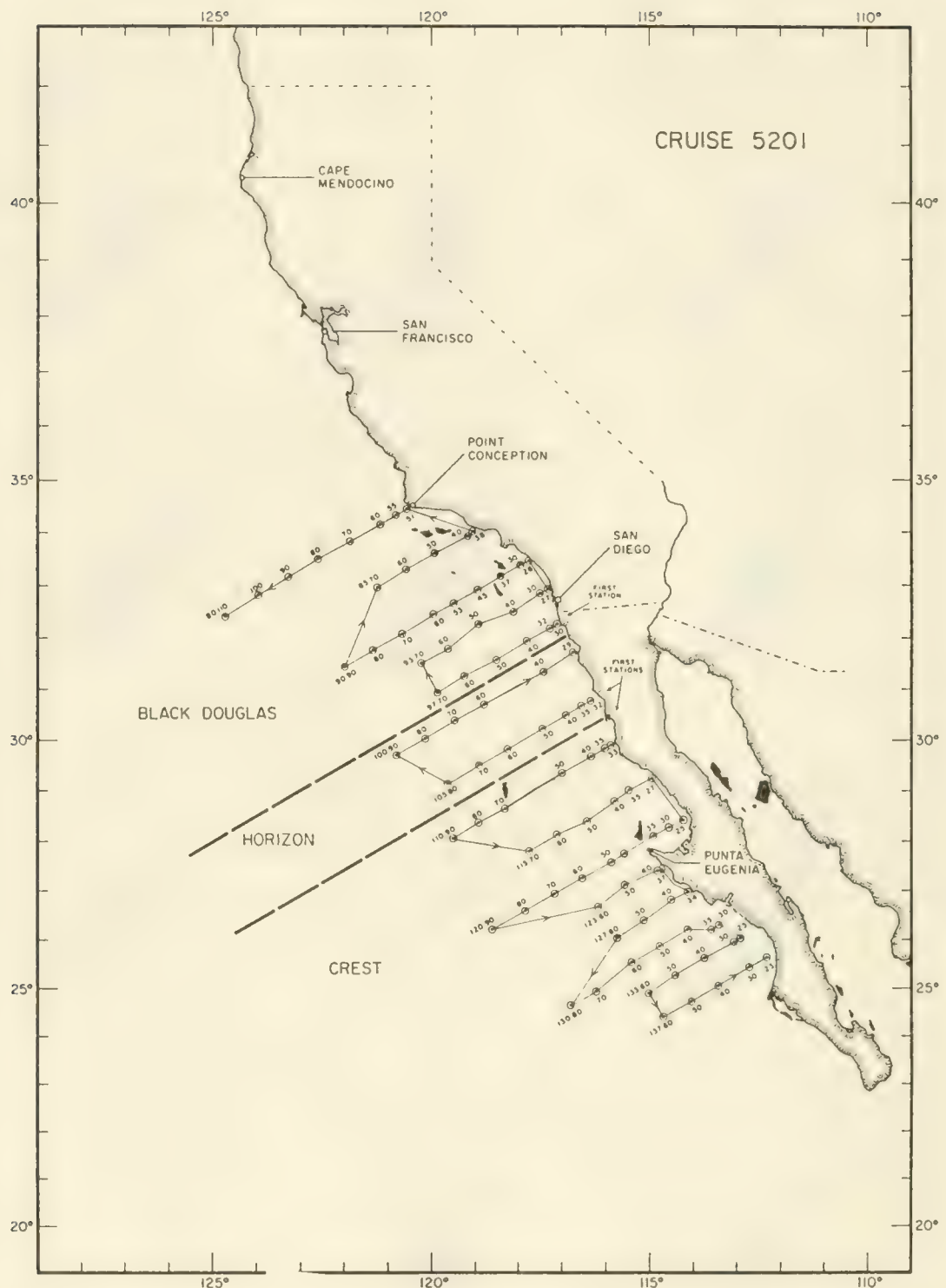


Figure 2. Station pattern for CalCOFI Cruise 5201 showing tracks for each vessel. Stations with plankton tows only are indicated by a dot; those with plankton tows and hydrographic measurements are shown by a dot and circle. Modified from charts in Reid, et al. (1965) to include only those stations listed in Table 1 of this report.

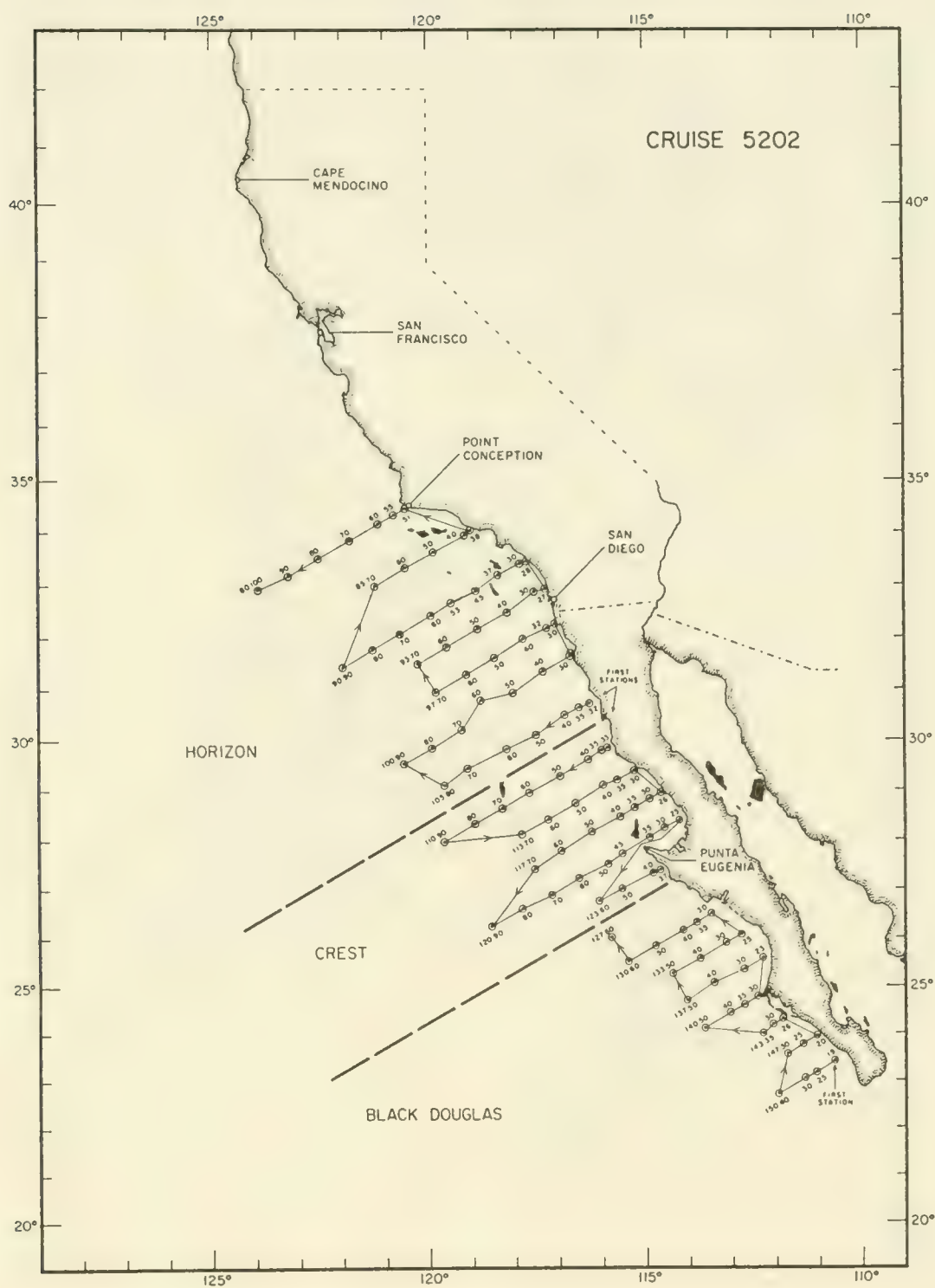


Figure 3. Station pattern for CalCOFI Cruise 5202. Symbols as in Figure 2.

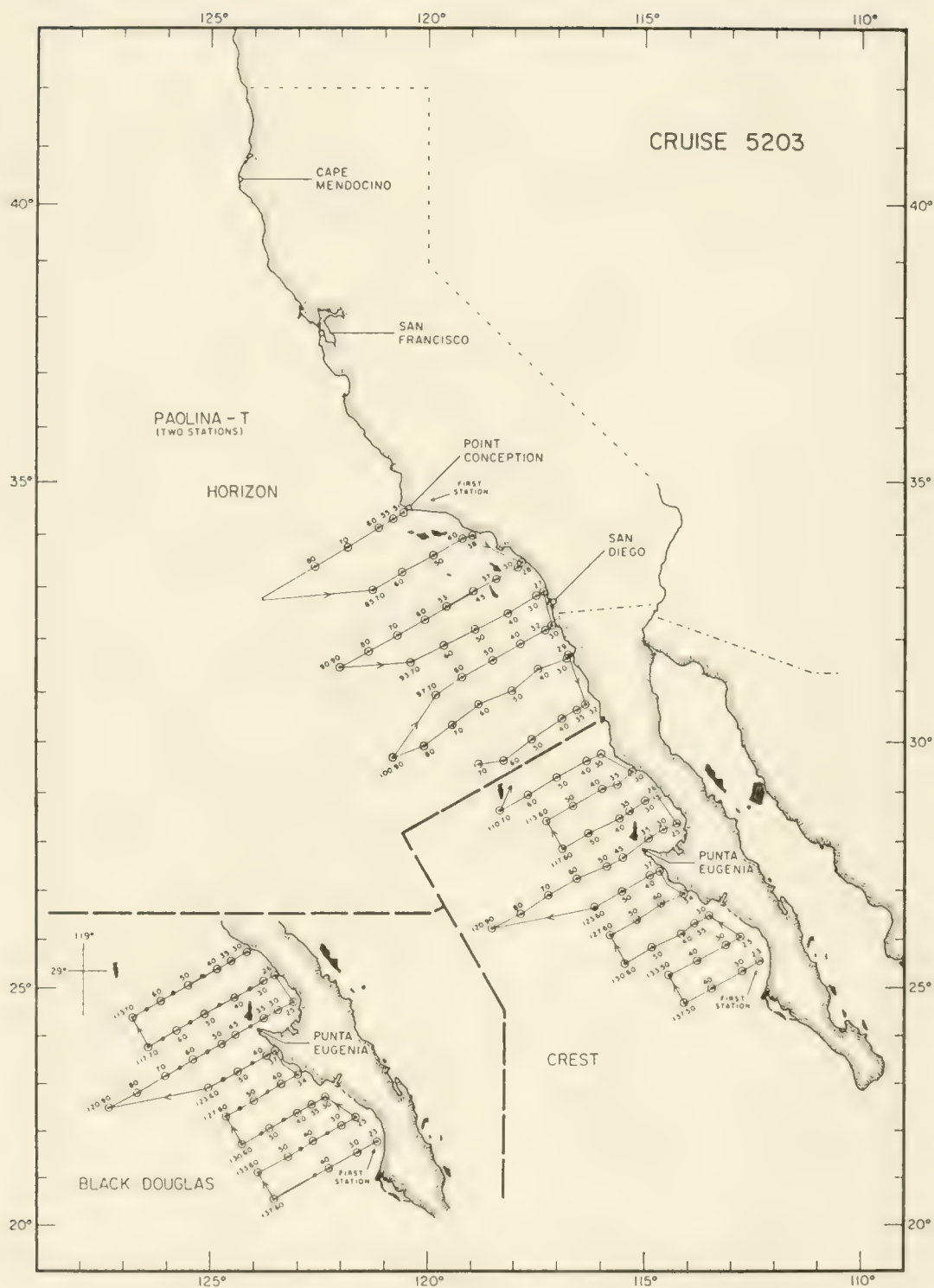


Figure 4. Station pattern for CalCOFI Cruise 5203. Symbols as in Figure 2.

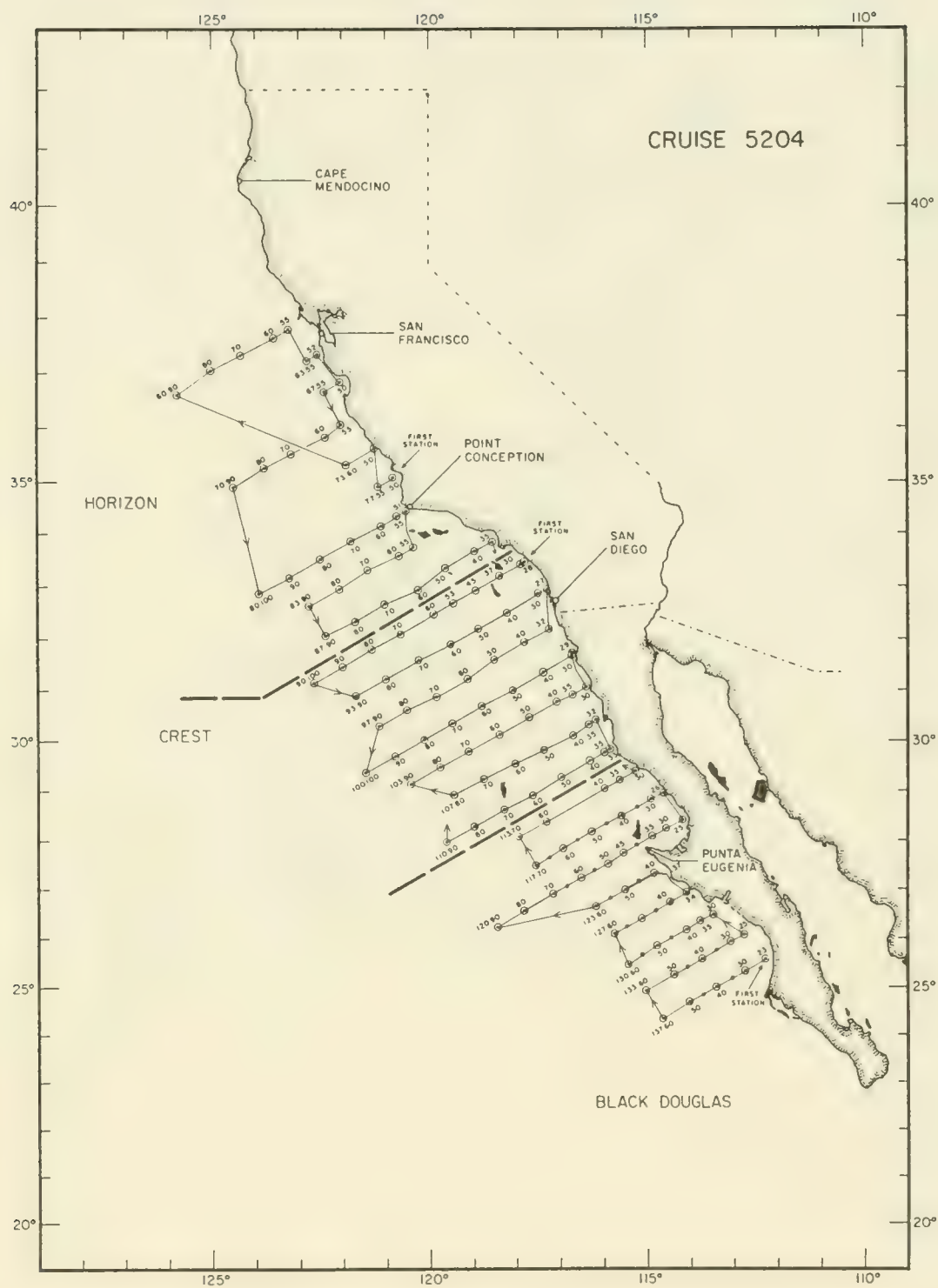


Figure 5. Station pattern for CalCOFI Cruise 5204. Symbols as in Figure 2.

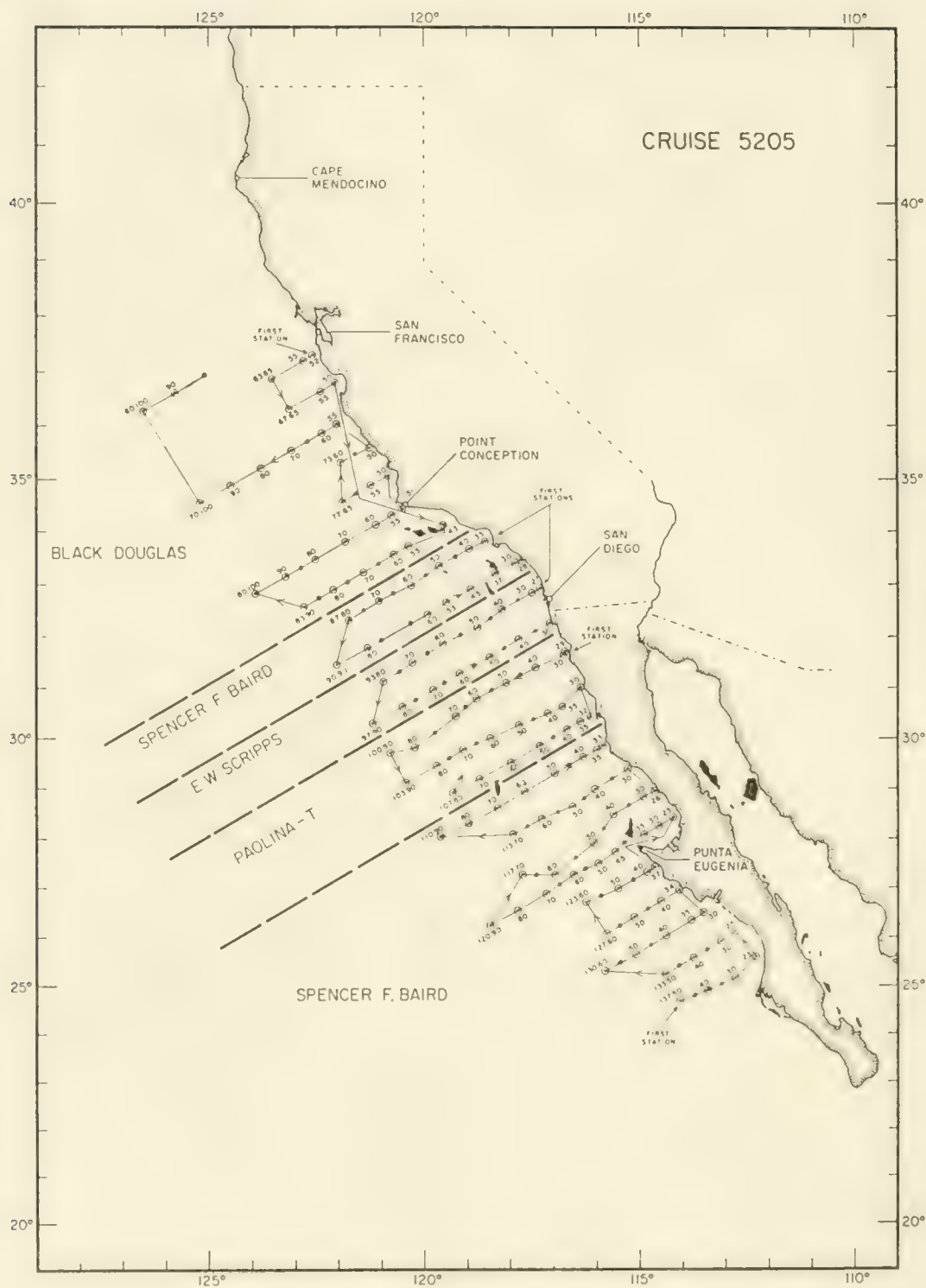


Figure 6. Station pattern for CalCOFI Cruise 5205. Symbols as in Figure 2.

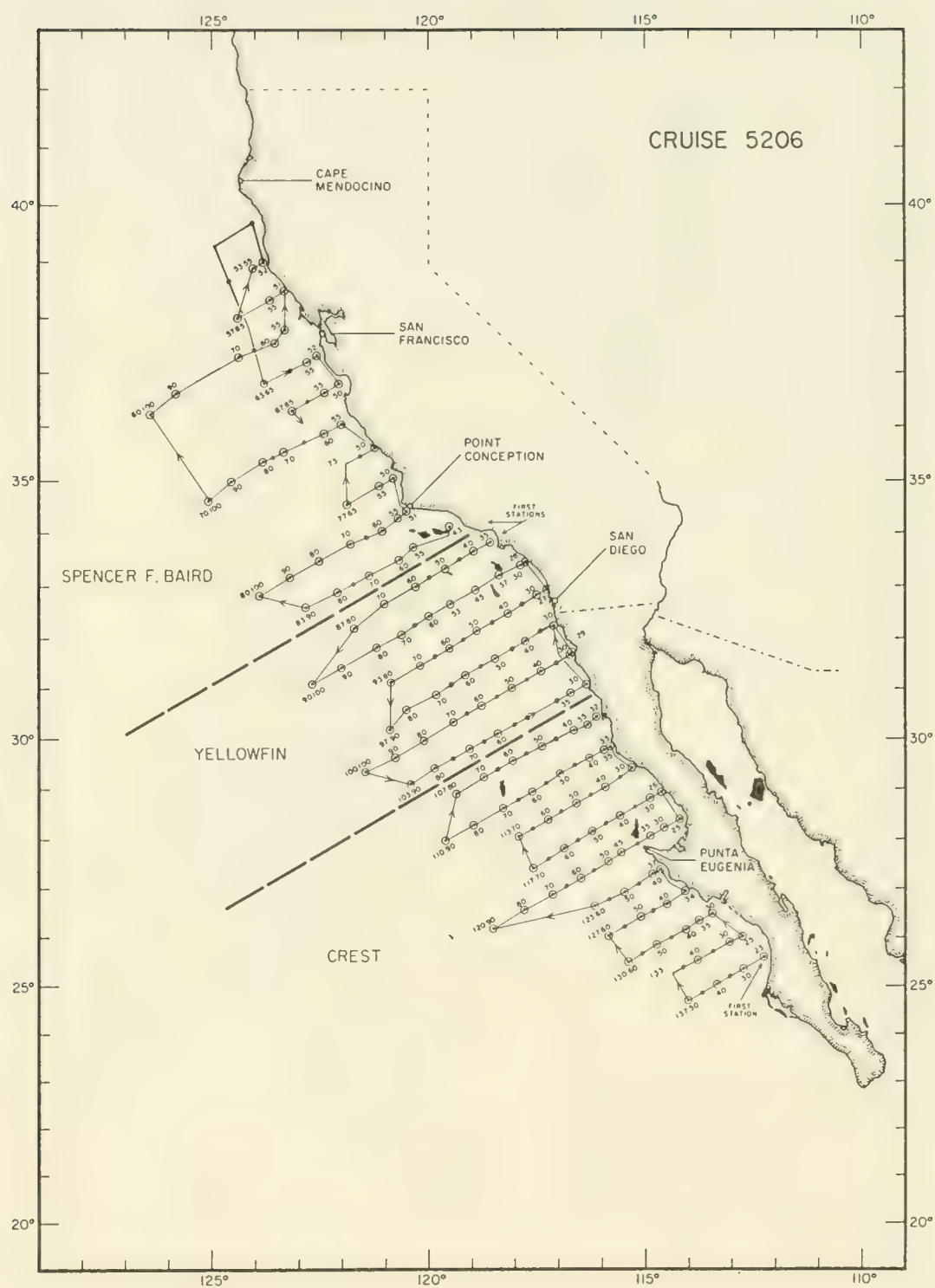


Figure 7. Station pattern for CalCOFI Cruise 5206. Symbols as in Figure 2.

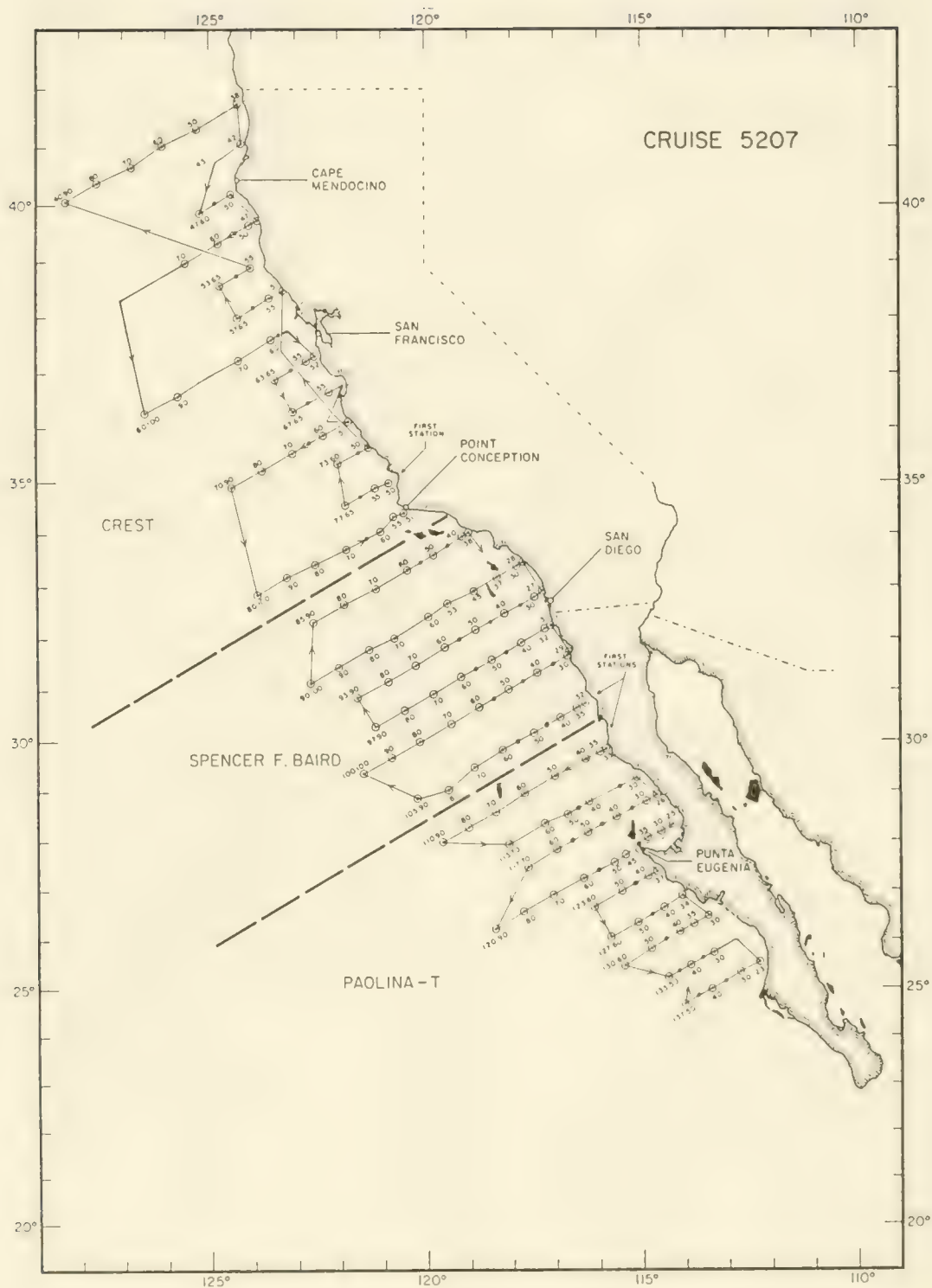


Figure 8. Station pattern for CalCOFI Cruise 5207. Symbols as in Figure 2.

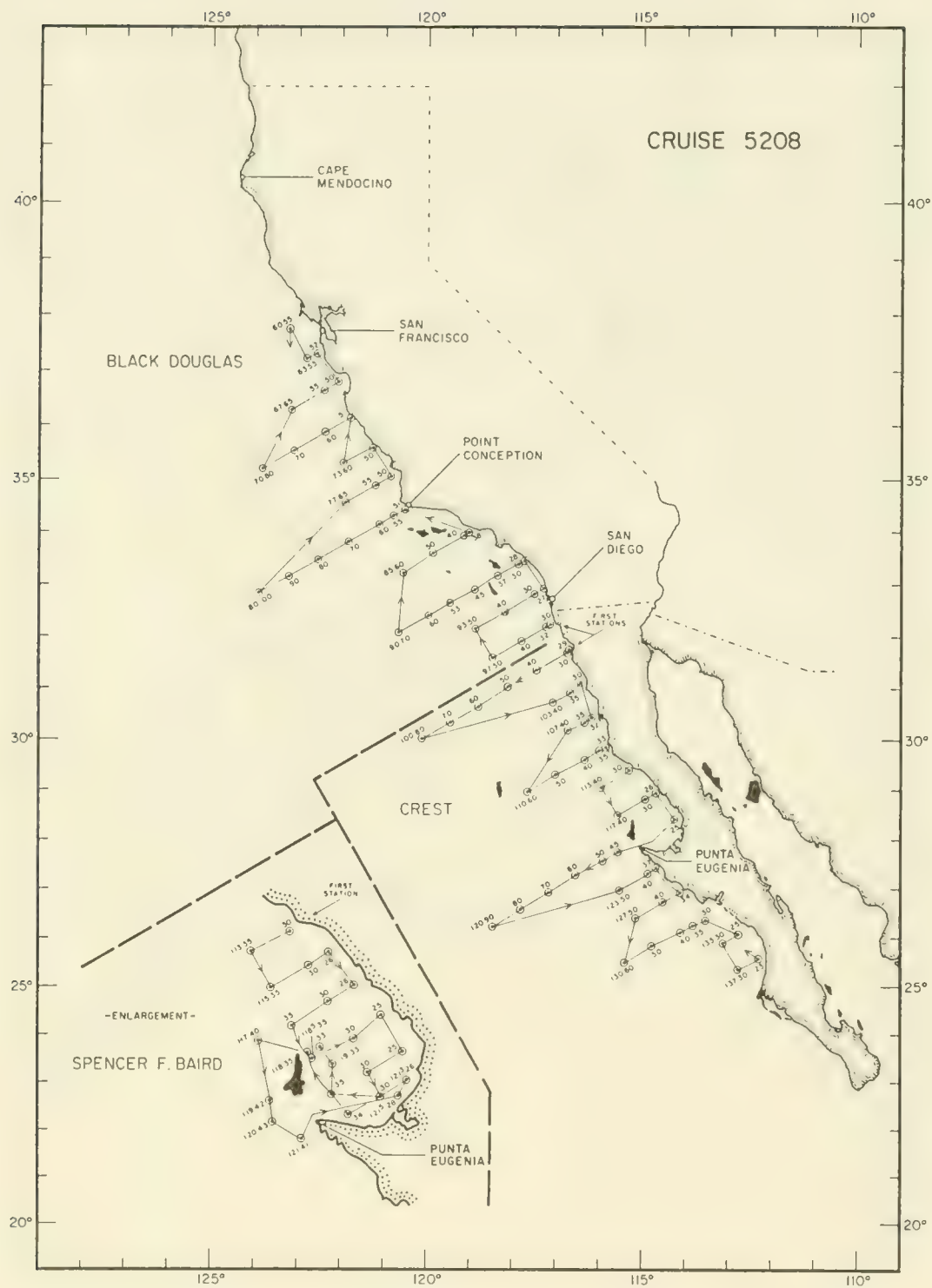


Figure 9. Station pattern for CalCOFI Cruise 5208. Symbols as in Figure 2.

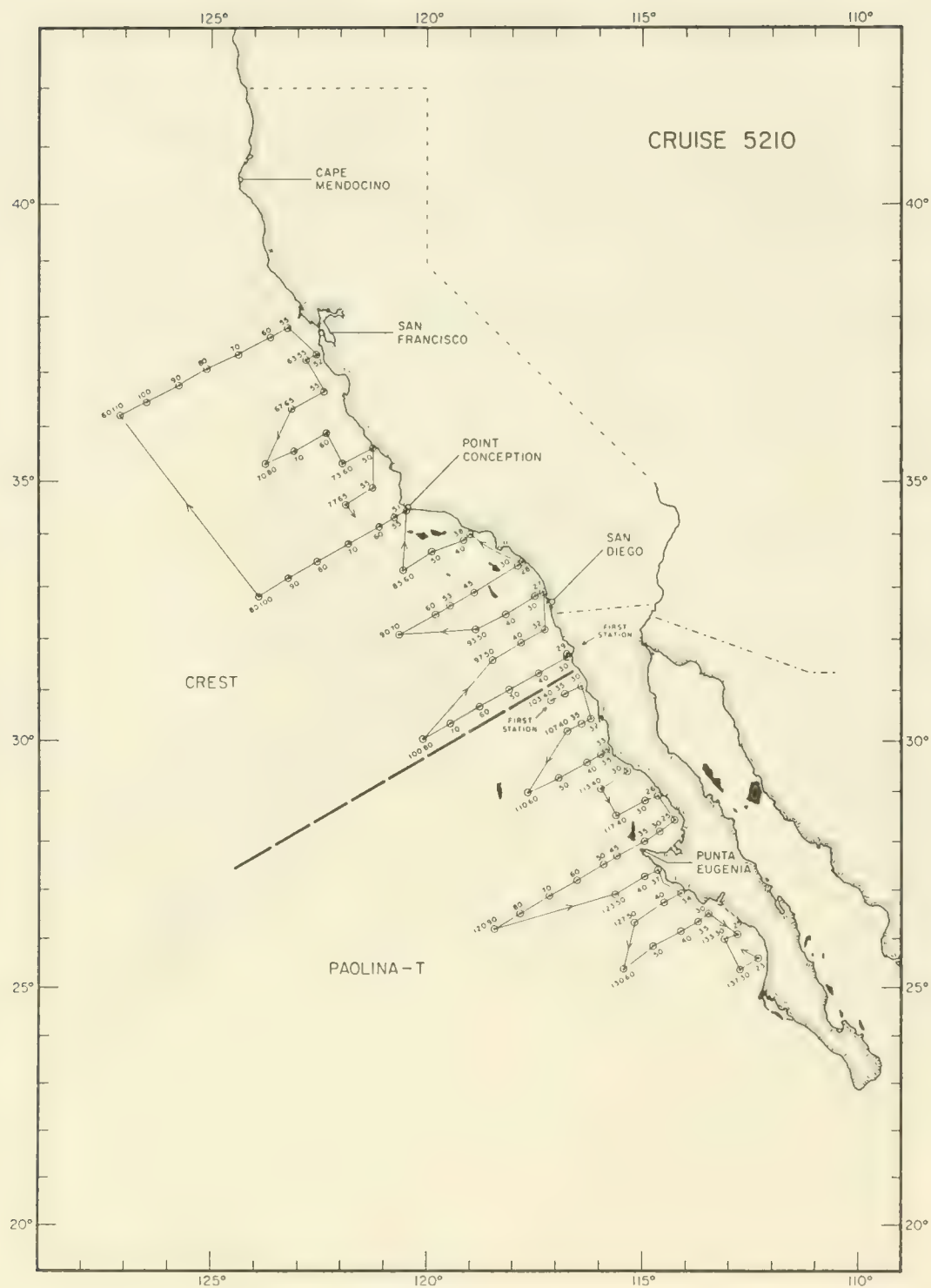


Figure 11. Station pattern for CalCOFI Cruise 5210. Symbols as in Figure 2.

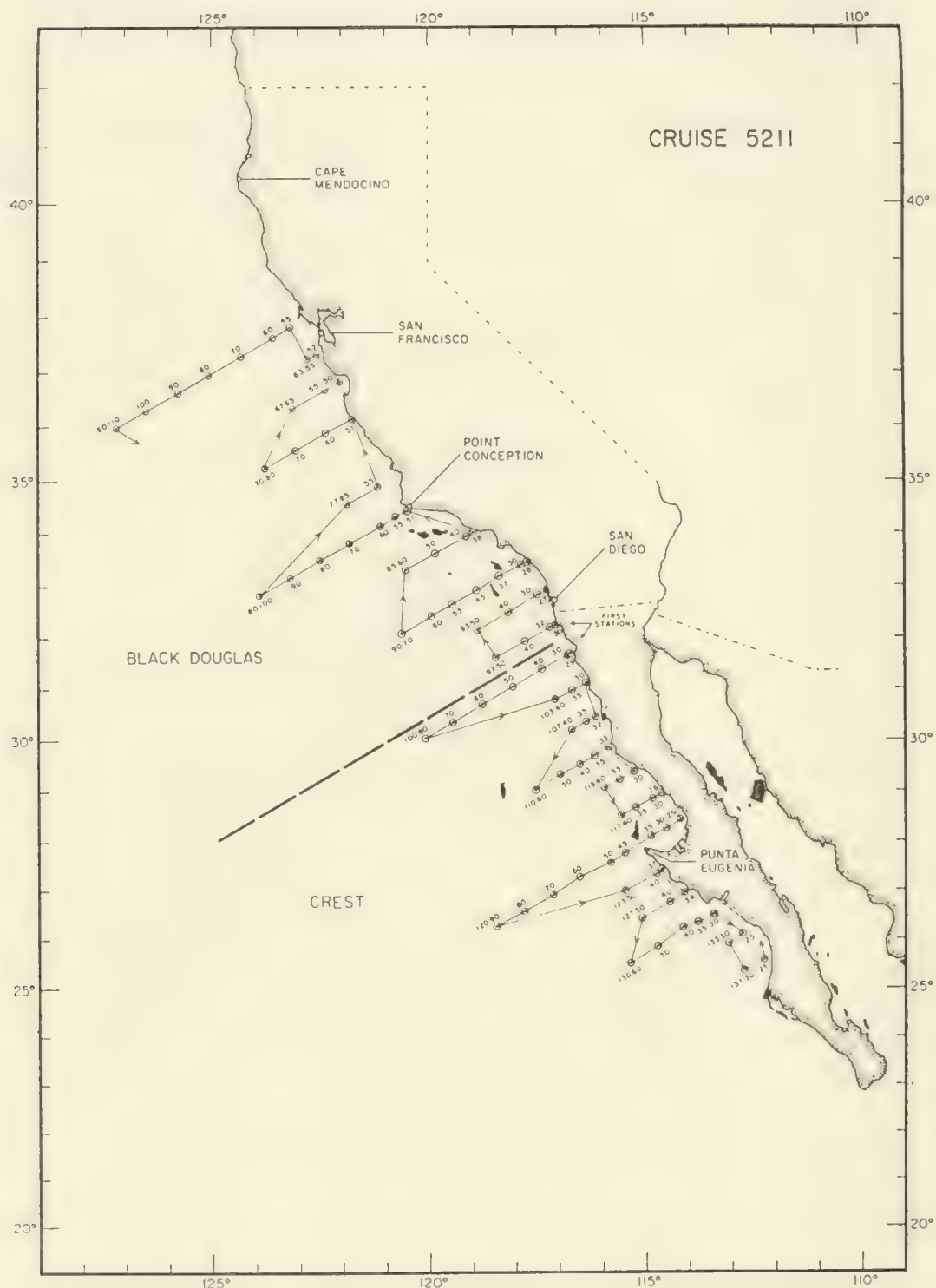


Figure 12. Station pattern for CalCOFI Cruise 5211. Symbols as in Figure 2.

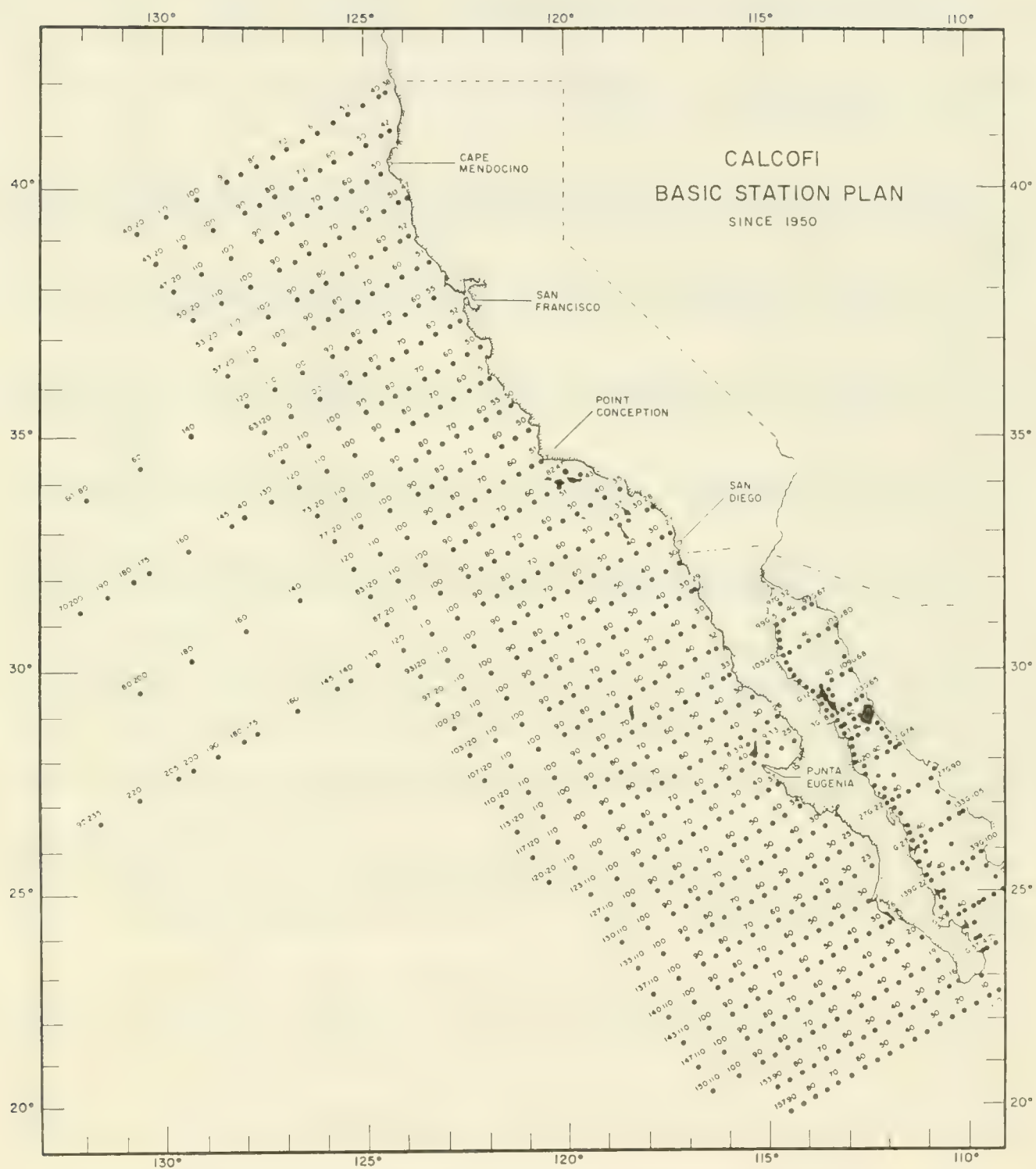


Figure 13. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1952. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 5201												
Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34 26.5	120 32.5	BD	52 01 26	0404	46	333	1.38	100.0	102	0
80.0	55.0	34 19.0	120 48.3	BD	52 01 26	0626	134	522	2.57	50.0	117	204
80.0	60.0	34 09.7	121 09.0	BD	52 01 26	0956	133	530	2.51	50.0	8	86
80.0	70.0	33 49.3	121 50.1	BD	52 01 26	1632	142	484	2.92	100.0	15	196
80.0	80.0	33 29.0	122 33.0	BD	52 01 26	2206	132	507	2.60	50.0	17	48
80.0	90.0	33 08.5	123 13.0	BD	52 01 27	0451	135	521	2.60	100.0	26	85
80.0	100.0	32 47.0	123 55.0	BD	52 01 27	1056	134	515	2.60	100.0	15	25
80.0	110.0	32 24.0	124 39.0	BD	52 01 27	1748	136	560	2.42	100.0	1	2
85.0	38.0	34 01.3	119 03.0	BD	52 01 25	1829	50	445	1.12	100.0	149	5
85.0	40.0	33 56.9	119 10.6	BD	52 01 25	1611	139	550	2.53	50.0	106	1908
85.0	50.0	33 36.5	119 53.6	BD	52 01 25	1046	139	514	2.71	100.0	36	750
85.0	60.0	33 17.0	120 33.0	BD	52 01 25	0451	136	510	2.66	50.0	161	39
85.0	70.0	32 57.0	121 14.0	BD	52 01 24	2255	136	524	2.61	100.0	24	34
90.0	28.0	33 28.5	117 46.7	BD	52 01 22	1511	136	602	2.26	100.0	79	2775
90.0	30.0	33 24.0	117 55.0	BD	52 01 22	1617	132	546	2.42	100.0	109	5008
90.0	37.0	33 11.0	118 24.0	BD	52 01 22	2041	135	548	2.46	100.0	78	1799
90.0	45.0	32 54.5	118 56.0	BD	52 01 23	0255	135	562	2.40	100.0	58	457
90.0	53.0	32 38.5	119 29.0	BD	52 01 23	0811	134	576	2.32	50.0	4	3
90.0	60.0	32 26.0	119 57.5	BD	52 01 23	1231	134	571	2.35	100.0	1	0
90.0	70.0	32 04.5	120 39.0	BD	52 01 23	1851	136	551	2.46	100.0	3	22
90.0	80.0	31 45.0	121 19.0	BD	52 01 24	0046	136	552	2.47	100.0	17	5
90.0	90.0	31 25.5	121 58.0	BD	52 01 24	0806	145	510	2.84	100.0	3	4
93.0	27.0	32 56.0	117 19.5	BD	52 01 22	0855	133	633	2.11	100.0	67	25
93.0	30.0	32 50.0	117 31.5	BD	52 01 22	0451	122	622	1.96	100.0	80	4368
93.0	40.0	32 30.5	118 07.8	BD	52 01 21	2315	136	567	2.40	100.0	62	2308
93.0	50.0	32 15.0	118 55.0	BD	52 01 21	1616	131	562	2.34	100.0	25	21
93.0	60.0	31 47.0	119 37.0	BD	52 01 21	0854	142	540	2.63	100.0	5	28
93.0	70.0	31 29.0	120 14.0	BD	52 01 21	0206	138	538	2.56	100.0	8	1
97.0	30.0	32 15.4	117 08.8	BD	52 01 19	1559	41	318	1.28	100.0	13	1
97.0	32.0	32 11.5	117 17.0	BD	52 01 19	1737	138	574	2.41	100.0	39	741
97.0	40.0	31 55.0	117 50.0	BD	52 01 19	2326	150	496	3.03	100.0	7	25
97.0	50.0	31 34.8	118 29.0	BD	52 01 20	0550	140	548	2.56	100.0	7	11
97.0	60.0	31 15.0	119 13.0	BD	52 01 20	1256	134	580	2.30	100.0	4	151
97.0	70.0	30 55.0	119 51.0	BD	52 01 20	1926	139	538	2.58	100.0	14	4
100.0	29.0	31 42.2	116 43.4	BD	52 01 18	1957	51	411	1.24	100.0	22	71
100.0	40.0	31 19.0	117 23.0	HO	52 01 18	1535	147	456	3.23	100.0	5	15
100.0	70.0	30 21.0	119 27.0	HO	52 01 17	2255	101	637	1.58	100.0	17	10
100.0	80.0	30 01.0	120 07.0	HO	52 01 17	1740	88	676	1.30	100.0	8	27
100.0	90.0	29 40.3	120 47.0	HO	52 01 17	1230	111	630	1.76	100.0	10	4
105.0	32.0	30 44.7	116 21.3	HO	52 01 16	0110	55	490	1.13	100.0	92	1
105.0	35.0	30 38.4	116 33.5	HO	52 01 16	0335	124	583	2.11	100.0	13	48
105.0	40.0	30 28.8	116 54.0	HO	52 01 16	0705	130	518	2.51	100.0	4	39
105.0	50.0	30 12.7	117 27.0	HO	52 01 16	1215	141	480	2.94	100.0	0	8
105.0	60.0	29 48.5	118 14.0	HO	52 01 16	1810	140	495	2.83	100.0	13	4

TABLE 1. (cont.)

CalCOFI Cruise 5201												
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
105.0	70.0	29 29.0	118 54.0	HO	52 01 16	2320	134	503	2.66	100.0	3	15
105.0	80.0	29 07.2	119 35.0	HO	52 01 17	0430	125	518	2.42	100.0	5	17
110.0	33.0	29 51.0	115 52.0	CR	52 01 09	1009	33	274	1.22	100.0	26	131
110.0	35.0	29 47.0	116 00.0	CR	52 01 09	1256	135	496	2.73	100.0	3	18
110.0	40.0	29 37.0	116 19.5	CR	52 01 09	1720	139	484	2.87	100.0	6	1
110.0	50.0	29 17.0	116 59.0	CR	52 01 09	2326	139	490	2.83	100.0	8	5
110.0	70.0	28 36.0	118 18.0	CR	52 01 10	2041	136	484	2.80	100.0	10	15
110.0	80.0	28 18.0	118 54.0	CR	52 01 11	0156	142	432	3.28	100.0	64	27
110.0	90.0	28 00.0	119 28.0	CR	52 01 11	0607	140	440	2.17	100.0	12	27
115.0	27.0	29 12.0	114 56.0	CR	52 01 12	1609	40	262	1.54	100.0	346	321
115.0	35.0	28 58.0	115 28.0	CR	52 01 12	1226	136	466	2.92	100.0	2	5
115.0	40.0	28 45.0	115 47.0	CR	52 01 12	0921	130	510	2.56	100.0	3	1
115.0	50.0	28 21.0	116 24.0	CR	52 01 12	0411	140	455	3.09	100.0	9	2
115.0	60.0	28 05.0	117 05.0	CR	52 01 11	2251	142	456	3.12	100.0	6	1
115.0	70.0	27 45.0	117 44.0	CR	52 01 11	1720	136	450	3.03	100.0	1	13
120.0	25.0	28 22.5	114 15.5	CR	52 01 12	2248	34	241	1.41	100.0	77	938
120.0	30.0	28 13.0	114 34.0	CR	52 01 13	0113	56	340	1.64	100.0	13	373
120.0	35.0	28 03.0	114 54.0	CR	52 01 13	0344	40	233	1.73	100.0	159	295
120.0	45.0	27 43.0	115 33.0	CR	52 01 13	0856	131	504	2.60	100.0	23	60
120.0	50.0	27 32.0	115 52.0	CR	52 01 13	1206	147	467	3.15	100.0	6	14
120.0	60.0	27 12.0	116 31.0	CR	52 01 13	1711	152	425	3.58	100.0	3	0
120.0	70.0	26 52.0	117 10.0	CR	52 01 13	2306	146	460	3.18	100.0	14	10
120.0	80.0	26 32.0	117 49.0	CR	52 01 14	0422	141	448	3.15	100.0	56	16
120.0	90.0	26 10.0	118 35.0	CR	52 01 14	0956	154	434	3.54	100.0	40	78
123.0	37.0	27 23.0	114 42.0	CR	52 01 15	2258	48	317	1.53	100.0	182	388
123.0	40.0	27 22.5	114 48.0	CR	52 01 15	1128	74	383	1.93	100.0	10	214
123.0	50.0	27 03.0	115 34.0	CR	52 01 15	0607	145	469	3.09	100.0	27	23
123.0	60.0	26 38.0	116 09.0	CR	52 01 15	0001	145	486	2.98	100.0	13	14
127.0	34.0	26 55.5	114 05.0	CR	52 01 16	0349	37	241	1.52	100.0	70	85
127.0	40.0	26 46.0	114 29.0	CR	52 01 16	0811	148	493	3.01	100.0	13	40
127.0	50.0	26 21.0	115 07.0	CR	52 01 16	1321	139	471	2.96	100.0	20	16
127.0	60.0	26 00.0	115 44.0	CR	52 01 16	1927	138	447	3.09	100.0	80	51
130.0	30.0	26 15.0	113 23.0	CR	52 01 18	1324	36	213	1.67	100.0	188	863
130.0	35.0	26 10.0	113 34.0	CR	52 01 18	1123	68	424	1.61	100.0	12	1200
130.0	40.0	26 10.5	114 07.0	CR	52 01 18	0722	137	463	2.97	50.0	58	88
130.0	50.0	25 49.0	114 46.0	CR	52 01 17	2331	147	483	3.03	100.0	22	81
130.0	60.0	25 29.0	115 24.0	CR	52 01 17	1811	143	476	3.01	100.0	58	24
130.0	70.0	24 54.0	116 11.0	CR	52 01 17	1111	142	488	2.90	100.0	19	21
130.0	80.0	24 35.0	116 46.0	CR	52 01 17	0547	142	444	3.20	100.0	117	72
133.0	25.0	25 59.0	112 55.0	CR	52 01 18	1628	70	391	1.80	100.0	111	88
133.0	30.0	25 55.0	113 03.0	CR	52 01 18	1853	73	392	1.86	100.0	30	4
133.0	40.0	25 35.0	113 45.0	CR	52 01 19	0045	148	438	3.39	50.0	219	776
133.0	50.0	25 19.5	114 24.0	CR	52 01 19	0617	145	447	3.24	100.0	172	28
133.0	60.0	24 51.0	115 00.0	CR	52 01 19	1136	153	450	3.41	100.0	28	65
137.0	23.0	25 36.0	112 19.0	CR	52 01 20	1203	56	356	1.57	100.0	45	347

TABLE 1. (cont.)

CalCOFI Cruise 5201												
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
137.0	30.0	25 23.0	112 45.0	CR	52 01 20	0913	80	350	2.29	100.0	180	31
137.0	40.0	25 00.0	113 23.5	CR	52 01 20	0234	147	444	3.30	100.0	158	518
137.0	50.0	24 41.0	114 01.5	CR	52 01 19	2216	145	507	2.87	100.0	30	13
137.0	60.0	24 20.0	114 40.0	CR	52 01 19	0437	143	444	3.22	100.0	28	95

TABLE 1. (cont.)

CalCOFI Cruise 5202

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34 26.8	120 33.3	HO	52 02 20	0453	62	480	1.30	25.0	16	7
80.0	55.0	34 19.3	120 48.5	HO	52 02 20	0736	132	534	2.48	12.0	4	15
80.0	60.0	34 09.5	121 09.9	HO	52 02 20	1116	140	502	2.78	100.0	34	174
80.0	70.0	33 50.0	121 50.7	HO	52 02 20	1646	132	518	2.56	100.0	7	39
80.0	80.0	33 30.6	122 32.5	HO	52 02 20	2226	141	488	2.88	100.0	54	25
80.0	90.0	33 09.0	123 13.0	HO	52 02 21	0531	129	572	2.25	100.0	172	40
80.0	100.0	32 53.1	123 54.1	HO	52 02 21	1036	138	497	2.78	100.0	6	30
85.0	38.0	34 02.0	119 02.0	HO	52 02 19	2103	67	441	1.52	100.0	620	161
85.0	40.0	33 57.0	119 10.0	HO	52 02 19	1931	135	544	2.48	100.0	287	31
85.0	50.0	33 37.0	119 52.5	HO	52 02 19	1231	135	625	1.87	100.0	389	146
85.0	60.0	33 19.0	120 32.0	HO	52 02 19	0711	141	450	3.15	100.0	77	28
85.0	70.0	32 58.0	121 14.0	HO	52 02 19	0206	121	535	2.27	100.0	561	360
90.0	28.0	33 28.5	117 46.5	HO	52 02 16	1831	141	506	2.79	100.0	54	64
90.0	30.0	33 24.4	117 56.0	HO	52 02 16	2051	139	538	2.58	100.0	152	643
90.0	37.0	33 11.0	118 23.5	HO	52 02 17	0116	139	484	2.88	100.0	459	450
90.0	45.0	32 54.5	118 56.5	HO	52 02 17	0715	138	514	2.69	100.0	44	175
90.0	53.0	32 39.7	119 29.0	HO	52 02 17	1421	140	467	3.00	25.0	919	517
90.0	60.0	32 25.0	119 56.0	HO	52 02 17	2006	131	526	2.49	100.0	188	286
90.0	70.0	32 04.5	120 39.0	HO	52 02 18	0235	142	506	2.81	100.0	23	16
90.0	80.0	31 45.0	121 17.0	HO	52 02 18	0911	140	451	3.10	100.0	9	170
90.0	90.0	31 25.0	121 58.5	HO	52 02 18	1506	137	516	2.66	100.0	4	135
93.0	27.0	32 56.0	117 19.0	HO	52 02 11	1238	63	455	1.39	100.0	7	113
93.0	30.0	32 52.6	117 34.3	HO	52 02 11	1021	124	596	2.07	100.0	24	123
93.0	40.0	32 30.0	118 12.2	HO	52 02 11	0556	128	530	2.41	100.0	316	918
93.0	50.0	32 10.0	118 52.8	HO	52 02 11	0031	141	488	2.89	100.0	35	100
93.0	60.0	31 48.3	119 35.0	HO	52 02 10	1846	137	502	2.74	100.0	80	327
93.0	70.0	31 28.0	120 15.0	HO	52 02 10	1321	149	447	3.34	50.0	0	22232
97.0	30.0	32 15.2	117 08.5	HO	52 02 09	0859	35	326	1.07	100.0	62	33
97.0	32.0	32 11.5	117 17.9	HO	52 02 09	1146	137	522	2.62	100.0	38	387
97.0	40.0	31 58.0	117 50.5	HO	52 02 09	1541	144	490	2.93	50.0	2	68
97.0	50.0	31 35.0	118 30.5	HO	52 02 09	2146	147	464	3.17	100.0	52	4310
97.0	60.0	31 15.0	119 08.0	HO	52 02 10	0351	111	590	1.88	100.0	51	686
97.0	70.0	30 56.2	119 50.5	HO	52 02 10	0856	137	477	2.87	100.0	2	224
100.0	30.0	31 40.9	116 46.0	HO	52 02 09	0441	124	542	2.28	100.0	183	74
100.0	40.0	31 20.6	117 24.0	HO	52 02 08	2221	137	505	2.71	100.0	189	1339
100.0	50.0	30 56.1	118 04.1	HO	52 02 08	1646	132	527	2.51	100.0	1	16
100.0	60.0	30 45.0	118 49.0	HO	52 02 08	1106	131	544	2.41	100.0	5	114
100.0	70.0	30 12.1	119 13.0	HO	52 02 08	0706	143	505	2.83	100.0	0	114
100.0	80.0	29 51.5	119 52.8	HO	52 02 08	0021	139	495	2.82	100.0	9	428
100.0	90.0	29 30.0	120 33.1	HO	52 02 07	1846	131	554	2.36	100.0	1	204
105.0	32.0	30 43.5	116 20.0	HO	52 02 06	0428	68	482	1.40	100.0	41	239
105.0	35.0	30 38.2	116 33.0	HO	52 02 06	0656	139	505	2.76	100.0	74	394
105.0	40.0	30 30.0	116 54.1	HO	52 02 06	1116	142	496	2.86	100.0	9	140
105.0	50.0	30 06.5	117 32.0	HO	52 02 06	1706	130	535	2.44	100.0	2	29
105.0	60.0	29 48.0	118 14.5	HO	52 02 06	2251	144	469	3.06	100.0	6	1520

TABLE 1. (cont.)

CalCOFI Cruise 5202													
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow yr. mo. day	Tow Date	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
105.0	70.0	29 26.3	119 07.0	HO	52 02 07	0436		139	512	2.72	100.0	4	354
105.0	80.0	29 05.0	119 37.0	HO	52 02 07	0956		141	463	3.05	100.0	14	58
110.0	33.0	29 51.0	115 53.0	CR	52 02 06	1138		64	467	1.38	100.0	60	33
110.0	35.0	29 48.1	115 58.9	CR	52 02 06	1416		136	529	2.58	50.0	180	1764
110.0	40.0	29 36.5	116 20.0	CR	52 02 06	1746		131	517	2.53	100.0	8	68
110.0	50.0	29 16.0	116 59.0	CR	52 02 06	2317		140	457	3.07	100.0	5	9
110.0	60.0	28 55.7	117 40.0	CR	52 02 07	0451		135	495	2.72	100.0	1	14
110.0	70.0	28 36.5	118 18.0	CR	52 02 07	1007		138	453	3.06	100.0	10	173
110.0	80.0	28 17.0	118 56.0	CR	52 02 07	1516		135	498	2.71	100.0	8	10
110.0	90.0	27 56.5	119 36.0	CR	52 02 07	2107		142	448	3.18	100.0	31	26
113.0	30.0	29 22.5	115 17.5	CR	52 02 09	0733		29	199	1.45	100.0	323	61
113.0	35.0	29 12.0	115 39.0	CR	52 02 09	0403		139	468	2.98	100.0	267	1408
113.0	40.0	29 05.0	115 59.5	CR	52 02 09	0036		140	467	3.00	50.0	636	65
113.0	50.0	28 43.1	116 38.0	CR	52 02 08	1921		140	474	2.96	100.0	12	4
113.0	60.0	28 23.0	117 16.6	CR	52 02 08	1331		140	498	2.80	100.0	27	51
113.0	70.0	28 05.8	117 50.9	CR	52 02 08	0857		133	486	2.74	100.0	1	110
117.0	26.0	28 56.0	114 41.0	CR	52 02 09	1259		35	227	1.55	100.0	115	675
117.0	30.0	28 48.0	114 56.5	CR	52 02 09	1444		44	307	1.45	100.0	138	269
117.0	35.0	28 38.0	115 16.0	CR	52 02 09	1846		129	505	2.55	100.0	196	501
117.0	40.0	28 28.0	115 35.5	CR	52 02 09	2226		139	437	3.19	100.0	43	26
117.0	50.0	28 08.0	116 15.0	CR	52 02 10	0616		141	447	2.95	100.0	82	53
117.0	60.0	27 46.3	116 56.5	CR	52 02 10	1137		141	493	2.85	100.0	4	0
117.0	70.0	27 24.0	117 32.0	CR	52 02 10	1646		138	486	2.84	100.0	12	2
120.0	25.0	28 23.0	114 14.0	CR	52 02 12	2104		34	224	1.53	100.0	33	1128
120.0	30.0	28 13.5	114 34.0	CR	52 02 12	1748		56	311	1.79	100.0	153	2139
120.0	35.0	28 02.5	114 55.0	CR	52 02 12	1418		54	255	2.10	100.0	221	458
120.0	45.0	27 43.0	115 33.0	CR	52 02 12	0852		144	422	3.41	100.0	308	762
120.0	50.0	27 30.8	115 52.7	CR	52 02 12	0356		144	493	2.92	100.0	51	17
120.0	60.0	27 13.0	116 32.0	CR	52 02 11	2154		134	520	2.57	100.0	12	28
120.0	70.0	26 52.0	117 10.0	CR	52 02 11	1551		143	488	2.94	100.0	6	22
120.0	80.0	26 35.0	117 50.0	CR	52 02 11	0957		141	481	2.93	100.0	16	40
120.0	90.0	26 14.0	118 31.0	CR	52 02 11	0401		138	489	2.83	100.0	17	239
123.0	37.0	27 23.0	114 41.0	CR	52 02 14	0819		52	295	1.76	100.0	135	145
123.0	40.0	27 19.0	114 51.0	CR	52 02 14	0521		145	497	2.92	100.0	304	270
123.0	50.0	27 01.0	115 32.0	CR	52 02 13	2247		145	422	3.45	100.0	28	34
123.0	60.0	26 44.0	116 05.0	CR	52 02 13	1701		131	496	2.63	100.0	8	90
127.0	60.0	26 00.0	115 48.0	BD	52 02 22	1751		142	497	2.86	100.0	15	25
130.0	30.0	26 29.0	113 29.0	BD	52 02 20	2214		53	335	1.59	100.0	94	663
130.0	35.0	26 18.5	113 49.5	BD	52 02 21	1356		142	493	2.87	100.0	15	75
130.0	40.0	26 09.0	114 07.5	BD	52 02 21	1717		143	445	3.20	100.0	26	637
130.0	50.0	25 49.0	114 46.0	BD	52 02 21	2356		140	478	2.93	100.0	52	18
130.0	60.0	25 29.0	115 24.0	BD	52 02 22	0816		146	499	2.92	100.0	10	56
133.0	25.0	26 04.5	112 48.0	BD	52 02 20	1654		56	372	1.51	100.0	270	88
133.0	30.0	25 54.5	113 09.0	BD	52 02 20	1312		144	497	2.90	100.0	7	7
133.0	40.0	25 34.5	113 45.5	BD	52 02 20	0652		141	495	2.85	100.0	90	1497

TABLE 1. (cont.)

CalCOFI Cruise 5202												
Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
137.0	23.0	25 34.2	112 18.7	BD	52 02 18	1432	70	274	2.57	100.0	248	169
137.0	30.0	25 20.0	112 45.5	BD	52 02 18	1811	130	590	2.20	100.0	343	6
137.0	40.0	25 03.4	113 25.8	BD	52 02 19	0426	132	514	2.57	100.0	39	250
137.0	50.0	24 40.0	114 02.0	BD	52 02 19	1356	149	454	3.29	100.0	30	430
140.0	30.0	24 45.5	112 24.0	BD	52 02 16	0848	100	405	2.47	100.0	62	46
140.0	35.0	24 36.0	112 43.0	BD	52 02 16	0501	137	512	2.68	100.0	154	2000
140.0	40.0	24 25.5	113 02.0	BD	52 02 16	0101	144	476	3.03	100.0	193	587
140.0	50.0	24 05.0	113 39.5	BD	52 02 15	1841	138	506	2.73	100.0	218	38
143.0	26.0	24 19.0	111 48.0	BD	52 02 15	0223	58	358	1.63	100.0	50	253
143.0	30.0	24 11.0	112 03.0	BD	52 02 15	0541	140	488	2.87	100.0	39	2878
143.0	35.0	23 59.0	112 18.5	BD	52 02 15	0917	136	502	2.70	100.0	9	73
147.0	20.0	23 56.0	111 03.5	BD	52 02 14	1928	65	477	1.37	100.0	351	12
147.0	25.0	23 46.8	111 23.0	BD	52 02 14	1446	157	345	4.54	100.0	5	68
147.0	30.0	23 34.2	111 44.0	BD	52 02 14	0907	124	543	2.29	100.0	9	12
150.0	19.0	23 24.9	110 40.5	BD	52 02 13	1111	133	564	2.35	100.0	4	11
150.0	25.0	23 11.1	111 03.2	BD	52 02 13	1431	139	513	2.70	100.0	12	13
150.0	30.0	23 02.0	111 20.0	BD	52 02 13	1811	135	545	2.47	100.0	102	92
150.0	40.0	22 42.0	111 57.5	BD	52 02 14	0011	143	478	2.99	100.0	35	31

TABLE 1. (cont.)

CalCOFI Cruise 5203

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34 26.1	120 33.5	HO	52 03 05	1137	58	312	1.86	50.0	0	0
80.0	55.0	34 18.7	120 48.0	HO	52 03 05	1341	137	544	2.52	50.0	12	29
80.0	60.0	34 09.0	121 09.0	HO	52 03 05	1854	122	578	2.11	50.0	54	52
80.0	70.0	33 46.2	121 50.0	HO	52 03 06	0111	136	556	2.44	50.0	692	92
80.0	80.0	33 25.0	122 33.5	HO	52 03 06	0706	142	530	2.69	50.0	97	256
85.0	38.0	34 01.1	118 57.8	HO	52 03 08	0231	99	618	1.60	50.0	1116	73
85.0	40.0	33 57.6	119 11.0	HO	52 03 08	0046	125	567	2.21	100.0	1023	767
85.0	50.0	33 36.7	119 52.0	HO	52 03 07	1928	69	405	1.71	100.0	140	31
85.0	60.0	33 17.0	120 33.0	HO	52 03 07	1441	133	642	2.07	100.0	61	178
85.0	70.0	32 56.8	121 14.0	HO	52 03 07	0641	131	542	2.41	25.0	4	69
90.0	28.0	33 30.2	117 46.5	HO	52 03 08	1209	42	290	1.47	100.0	44	2690
90.0	30.0	33 24.4	117 55.7	HO	52 03 08	1256	133	556	2.39	100.0	164	1345
90.0	37.0	33 11.0	118 23.5	HO	52 03 08	1741	139	517	2.69	100.0	80	1804
90.0	45.0	32 55.2	118 56.4	HO	52 03 08	1036	142	502	2.84	100.0	904	582
90.0	53.0	32 37.5	119 31.1	HO	52 03 09	0346	153	452	3.38	100.0	647	82
90.0	60.0	32 23.1	120 01.5	HO	52 03 09	0756	138	490	2.82	100.0	118	360
90.0	70.0	32 05.0	120 39.0	HO	52 03 09	1341	143	506	2.83	100.0	64	2119
90.0	80.0	31 45.8	121 19.0	HO	52 03 09	2024	137	518	2.65	100.0	1270	561
90.0	90.0	31 25.0	121 59.0	HO	52 03 10	0256	136	496	2.74	50.0	235	1292
93.0	27.0	32 55.7	117 19.2	HO	52 03 11	1718	59	319	1.86	100.0	158	65
93.0	30.0	32 50.0	117 31.5	HO	52 03 11	1506	141	563	2.50	50.0	149	1043
93.0	40.0	32 30.0	118 10.0	HO	52 03 11	0856	133	560	2.38	100.0	162	113
93.0	50.0	32 11.0	118 53.0	HO	52 03 11	0331	144	550	2.61	100.0	1154	752
93.0	60.0	31 54.5	119 36.0	HO	52 03 11	2056	137	491	2.78	100.0	280	365
93.0	70.0	31 33.0	120 22.5	HO	52 03 10	1356	145	508	2.85	100.0	53	472
97.0	30.0	32 15.2	117 08.9	HO	52 03 12	0434	149	175	1.70	100.0	56	395
97.0	32.0	32 11.5	117 17.0	HO	52 03 12	0731	140	491	2.85	100.0	137	137
97.0	40.0	31 54.8	117 51.6	HO	52 03 12	1206	136	525	2.60	100.0	153	252
97.0	50.0	31 35.9	118 30.0	HO	52 03 12	1726	136	509	2.67	100.0	47	745
97.0	60.0	31 16.0	119 10.0	HO	52 03 12	2306	140	475	2.94	100.0	756	404
97.0	70.0	30 54.5	119 48.1	HO	52 03 13	1326	163	397	4.11	100.0	372	313
100.0	29.0	31 42.2	116 43.4	HO	52 03 14	0250	54	363	1.48	100.0	159	52
100.0	30.0	31 40.5	116 46.5	HO	52 03 15	0151	144	513	2.81	100.0	171	99
100.0	40.0	31 25.0	117 27.6	HO	52 03 14	2026	142	522	2.72	100.0	63	39
100.0	50.0	31 01.0	118 02.1	HO	52 03 14	1416	145	477	3.04	100.0	13	60
100.0	60.0	30 44.4	118 48.0	HO	52 03 14	0831	116	574	2.02	100.0	284	1001
100.0	70.0	30 20.0	119 25.0	HO	52 03 14	0306	125	528	2.37	100.0	74	346
100.0	80.0	29 56.2	120 04.8	HO	52 03 13	2121	141	497	2.83	100.0	14	504
100.0	90.0	29 40.1	120 47.0	HO	52 03 13	1536	145	544	2.67	100.0	411	174
105.0	32.0	30 45.5	116 20.7	HO	52 03 15	0922	54	341	1.59	100.0	30	2
105.0	35.0	30 38.0	116 33.4	HO	52 03 15	1156	140	545	2.57	100.0	142	149
105.0	40.0	30 28.5	116 54.0	HO	52 03 15	1611	135	552	2.45	100.0	17	18
105.0	50.0	30 04.0	117 34.5	HO	52 03 15	2206	133	502	2.65	100.0	127	50
105.0	60.0	29 37.2	118 14.7	HO	52 03 16	0501	138	489	2.82	100.0	115	129
105.0	70.0	29 32.8	118 50.2	HO	52 03 16	1316	115	608	1.90	100.0	16	80

TABLE 1. (cont.)

CalCOFI Cruise 5203

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	35.0	29 45.5	115 58.0	CR	52 03 15	1841	139	512	2.72	100.0	49	286
110.0	40.0	29 36.0	116 19.0	CR	52 03 15	2141	142	488	2.92	100.0	91	104
110.0	50.0	29 17.0	116 59.0	CR	52 03 16	0326	140	473	2.95	100.0	157	20
110.0	60.0	28 54.5	117 39.0	CR	52 03 16	0856	137	567	2.42	100.0	38	8
110.0	70.0	28 36.0	118 18.0	CR	52 03 16	1501	139	519	2.68	100.0	59	0
113.0	30.0	29 22.0	115 17.0	CR	52 03 15	1319	35	263	1.33	50.0	84	1
113.0	30.0	29 22.5	115 17.5	BD	52 04 02	1548	41	167	2.44	100.0	13	47
113.0	35.0	29 12.0	115 39.0	BD	52 04 02	1149	146	475	3.08	100.0	46	144
113.0	35.0	29 07.0	115 36.0	CR	52 03 15	1026	139	523	2.66	100.0	363	634
113.0	40.0	29 03.0	115 57.0	CR	52 03 15	0726	140	504	2.77	100.0	10	1674
113.0	40.0	29 02.0	115 58.5	BD	52 04 02	0748	138	492	2.81	100.0	105	76
113.0	45.0	28 52.0	116 18.0	BD	52 04 02	0521	137	467	2.93	100.0	40	60
113.0	50.0	28 42.0	116 37.5	BD	52 04 02	0136	143	448	3.19	100.0	58	53
113.0	55.0	28 32.0	116 57.0	BD	52 04 01	2306	151	451	3.35	100.0	193	89
113.0	60.0	28 23.5	117 13.5	CR	52 03 14	2126	139	510	2.74	100.0	68	13
113.0	60.0	28 22.0	117 16.5	BD	52 04 01	1946	139	489	2.84	100.0	60	0
113.0	65.0	28 12.0	117 35.0	BD	52 04 01	1717	137	504	2.72	100.0	57	151
113.0	70.0	28 02.0	117 55.5	BD	52 04 01	1402	141	477	2.95	100.0	57	222
117.0	26.0	28 54.2	114 44.0	CR	52 03 13	2159	38	182	2.08	100.0	296	414
117.0	26.0	28 56.0	114 41.0	BD	52 03 31	0553	63	304	2.06	100.0	13	22
117.0	30.0	28 48.0	114 56.5	BD	52 03 31	0758	85	304	2.78	100.0	14	0
117.0	30.0	28 48.0	114 57.0	CR	52 03 14	0019	49	343	1.43	100.0	121	112
117.0	35.0	28 36.5	115 19.0	CR	52 03 14	0328	69	424	1.63	100.0	1879	16
117.0	35.0	28 38.0	115 17.0	BD	52 03 31	1108	145	464	3.14	100.0	104	330
117.0	40.0	28 28.0	115 35.5	BD	52 03 31	1338	141	480	2.94	100.0	26	113
117.0	40.0	28 27.0	115 35.0	CR	52 03 14	0611	144	519	2.77	100.0	381	129
117.0	45.0	28 18.0	115 55.0	BD	52 03 31	1705	136	491	2.77	100.0	22	2
117.0	50.0	28 08.0	116 15.0	CR	52 03 14	1141	135	462	2.92	100.0	139	867
117.0	50.0	28 08.0	116 15.0	BD	52 03 31	1936	144	481	3.00	100.0	41	109
117.0	55.0	27 57.0	116 35.0	BD	52 03 31	2256	148	459	3.22	100.0	43	76
117.0	60.0	27 49.0	116 51.0	CR	52 03 14	1651	137	509	3.08	100.0	134	9
117.0	60.0	27 47.5	116 54.0	BD	52 04 01	0136	143	464	3.70	100.0	42	53
117.0	65.0	27 38.0	117 13.0	BD	52 04 01	0456	135	501	2.70	100.0	170	150
117.0	70.0	27 27.5	117 32.5	BD	52 04 01	0734	140	469	2.98	100.0	52	69
120.0	25.0	28 21.0	114 15.0	CR	52 03 13	1729	38	242	1.56	100.0	1	364
120.0	25.0	28 23.0	114 14.5	BD	52 03 31	0143	56	228	2.45	100.0	24	17
120.0	30.0	28 13.0	114 34.0	BD	52 03 30	2303	70	269	2.60	100.0	329	83
120.0	30.0	28 13.0	114 34.0	CR	52 03 13	1454	42	242	1.72	100.0	180	234
120.0	35.0	28 03.0	114 54.0	CR	52 03 13	1214	41	280	1.48	100.0	666	155
120.0	35.0	28 03.0	114 54.0	BD	52 03 30	2016	69	292	2.38	100.0	179	7
120.0	40.0	27 55.5	115 16.0	BD	52 03 30	1804	33	145	2.31	100.0	35	183
120.0	45.0	27 40.0	115 28.5	CR	52 03 13	0516	148	486	3.05	100.0	530	80
120.0	45.0	27 43.0	115 33.0	BD	52 03 30	1436	140	499	2.81	100.0	9	151
120.0	50.0	27 30.5	115 50.5	CR	52 03 13	0111	142	462	3.08	100.0	88	254

TABLE 1. (cont.)

CalCOFI Cruise 5203

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	50.0	27 33.0	115 52.5	BD	52 03 30	1111	142	473	3.01	100.0	24	91
120.0	55.0	27 23.0	116 12.0	BD	52 03 30	0823	142	489	2.90	100.0	66	44
120.0	60.0	27 13.0	116 31.5	BD	52 03 30	0601	135	516	2.62	100.0	58	70
120.0	60.0	27 13.0	116 31.5	CR	52 03 12	1936	139	514	2.70	100.0	121	30
120.0	65.0	27 03.0	116 50.0	BD	52 03 30	0209	140	474	2.95	100.0	31	25
120.0	70.0	26 52.0	117 10.0	CR	52 03 12	1402	135	495	2.73	100.0	49	53
120.0	70.0	26 52.5	117 10.0	BD	52 03 29	2245	140	496	2.82	100.0	121	80
120.0	80.0	26 32.5	117 48.5	BD	52 03 29	1706	135	509	2.66	100.0	14	301
120.0	80.0	26 30.0	117 48.0	CR	52 03 12	0831	139	396	3.77	100.0	8	7
120.0	90.0	26 13.0	118 27.5	BD	52 03 29	1006	139	501	2.77	100.0	7	72
120.0	90.0	26 13.0	118 27.5	CR	52 03 12	0146	140	504	2.78	100.0	1	12
123.0	37.0	27 24.0	114 39.7	BD	52 03 28	0503	46	259	1.78	100.0	30	814
123.0	40.0	27 18.0	114 51.5	BD	52 03 10	2104	45	273	1.63	100.0	85	126
123.0	40.0	27 18.0	114 51.5	CR	52 03 28	0701	134	471	2.82	100.0	59	559
123.0	40.0	27 18.0	114 51.5	CR	52 03 10	2326	144	520	2.77	100.0	208	387
123.0	45.0	27 08.0	115 11.0	BD	52 03 28	1046	142	465	3.05	100.0	474	1115
123.0	50.0	26 58.0	115 30.5	BD	52 03 28	1307	141	483	2.92	100.0	30	62
123.0	50.0	26 58.0	115 30.5	CR	52 03 11	0521	131	536	2.44	100.0	145	111
123.0	55.0	26 48.0	115 50.0	BD	52 03 28	1623	137	495	2.77	100.0	37	136
123.0	60.0	26 37.5	116 08.5	CR	52 03 11	1111	133	520	2.56	100.0	11	13
123.0	60.0	26 38.5	116 09.0	BD	52 03 28	1856	137	490	2.79	100.0	33	200
127.0	34.0	26 55.0	114 05.0	CR	52 03 10	1529	40	249	1.62	100.0	166	1902
127.0	34.0	26 55.3	114 06.0	BD	52 03 28	2353	60	237	2.51	100.0	153	1159
127.0	40.0	26 43.5	114 29.5	BD	52 03 27	2001	141	459	3.06	25.0	192	519
127.0	40.0	26 43.2	114 35.0	CR	52 03 10	1156	132	490	2.76	100.0	84	143
127.0	45.0	26 30.0	114 27.0	BD	52 03 27	1736	134	487	2.76	50.0	254	316
127.0	50.0	26 23.5	115 08.0	BD	52 03 27	1421	139	454	3.06	100.0	97	489
127.0	50.0	26 23.0	115 09.0	CR	52 03 10	0631	151	859	3.25	100.0	52	41
127.0	55.0	26 14.0	115 27.0	BD	52 03 27	1111	141	475	2.96	100.0	33	233
127.0	60.0	26 03.5	115 46.5	BD	52 03 27	0731	135	488	2.77	100.0	11	23
127.0	60.0	26 03.0	115 47.0	CR	52 03 10	0036	147	480	3.07	100.0	78	17
130.0	30.0	26 29.0	113 29.0	BD	52 03 26	0648	59	290	2.04	100.0	21	6
130.0	30.0	26 29.0	113 29.0	CR	52 03 09	0014	42	265	1.58	100.0	331	4
130.0	35.0	26 19.0	113 49.0	CR	52 03 09	0316	150	498	3.01	100.0	250	84
130.0	35.0	26 19.0	113 48.5	BD	52 03 26	0916	130	495	2.62	100.0	81	1668
130.0	40.0	26 08.5	114 08.0	CR	52 03 09	0646	145	494	2.93	100.0	891	132
130.0	40.0	26 09.0	114 07.5	BD	52 03 26	1206	141	473	2.98	100.0	43	475
130.0	45.0	25 59.0	114 46.0	BD	52 03 26	1621	137	496	2.76	100.0	158	150
130.0	50.0	25 49.0	114 47.0	CR	52 03 26	1852	135	491	2.75	50.0	176	321
130.0	50.0	25 49.0	114 47.0	CR	52 03 09	1246	145	468	3.11	100.0	56	232
130.0	52.0	25 44.0	114 56.0	BD	52 03 26	2122	133	511	2.60	100.0	179	90
130.0	55.0	25 40.0	115 05.0	BD	52 03 26	2252	141	481	2.94	100.0	128	75
130.0	60.0	25 29.0	115 24.0	BD	52 03 27	0126	140	483	2.90	100.0	76	70
130.0	60.0	25 29.0	115 24.0	CR	52 03 09	1841	132	530	2.49	100.0	185	33
133.0	25.0	26 04.5	112 48.0	CR	52 03 08	1914	40	260	1.56	100.0	1932	40

TABLE 1. (cont.)

CalCOFI Cruise 5203

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	25.0	26 04.5	112 48.0	BD	52 03 26	0113	64	260	2.46	100.0	107	21
133.0	30.0	25 54.5	113 07.5	BD	52 03 25	2157	103	344	3.00	100.0	135	282
133.0	30.0	25 54.0	113 05.0	CR	52 03 08	1641	144	458	3.14	100.0	9	13
133.0	35.0	25 44.0	113 26.0	BD	52 03 25	1921	136	503	2.71	100.0	37	582
133.0	40.0	25 34.5	113 45.5	CR	52 03 08	1211	138	514	2.69	100.0	27	15
133.0	40.0	25 34.5	113 45.5	BD	52 03 25	1611	135	513	2.63	100.0	84	316
133.0	45.0	25 25.0	114 04.0	BD	52 03 25	1326	140	519	2.70	100.0	36	94
133.0	50.0	25 13.0	114 21.0	BD	52 03 25	1010	119	634	1.87	100.0	2	57
133.0	50.0	25 14.5	114 24.0	CR	52 03 08	0626	135	496	2.71	100.0	65	68
133.0	60.0	24 54.5	115 01.5	BD	52 03 25	0356	135	496	2.72	100.0	31	69
137.0	23.0	25 34.2	112 18.7	BD	52 03 23	2137	61	284	2.15	100.0	48	15
137.0	23.0	25 33.0	112 20.0	CR	52 03 07	1214	41	314	1.31	100.0	18	8
137.0	30.0	25 20.0	112 45.5	BD	52 03 24	0114	134	499	2.69	100.0	20	12
137.0	30.0	25 20.0	112 45.0	CR	52 03 07	1517	137	505	2.72	50.0	12	1
137.0	40.0	25 00.0	113 23.5	BD	52 03 24	0958	140	492	2.85	100.0	365	787
137.0	40.0	24 58.5	113 26.5	CR	52 03 07	1931	146	469	3.11	100.0	129	28
137.0	45.0	24 50.0	113 43.0	BD	52 03 24	1414	141	508	2.76	100.0	18	66
137.0	50.0	24 39.8	114 02.0	CR	03 08 52	0046	139	480	2.89	100.0	169	76
137.0	60.0	24 20.0	114 39.5	BD	52 03 24	2216	139	502	2.76	100.0	23	30

TABLE 1. (cont.)

CalCOFI Cruise 5204

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	55.0	37 47.5	123 15.0	HO	52 04 06	0658	62	512	1.22	100.0	26	43
60.0	60.0	37 37.0	123 37.0	HO	52 04 06	0336	116	587	1.98	25.0	33	8
60.0	70.0	37 19.0	124 21.0	HO	52 04 05	2146	138	468	2.94	25.0	5	69
60.0	80.0	37 02.0	125 01.1	HO	52 04 05	1721	103	616	1.68	50.0	2	24
60.0	90.0	36 36.0	125 47.5	HO	52 04 05	1131	122	563	2.18	50.0	6	6
63.0	52.0	37 19.0	122 36.2	HO	52 04 07	1549	37	412	0.90	100.0	0	9
63.0	55.0	37 14.0	122 49.5	HO	52 04 07	1346	129	633	2.04	100.0	38	78
67.0	50.0	36 49.0	122 04.6	HO	52 04 07	2033	69	469	1.47	100.0	26	81
67.0	55.0	36 39.5	122 25.8	HO	52 04 08	0026	150	497	3.01	100.0	84	17
70.0	55.0	36 03.0	122 02.0	HO	52 04 08	0636	140	514	2.73	100.0	78	4
70.0	60.0	35 48.8	122 24.0	HO	52 04 08	0956	146	511	2.86	50.0	21	18
70.0	70.0	35 31.4	123 11.0	HO	52 04 08	1531	126	569	2.21	50.0	5	3
70.0	80.0	35 14.2	123 48.0	HO	52 04 08	2136	130	531	2.46	100.0	91	51
70.0	90.0	34 53.5	124 30.0	HO	52 04 09	0316	125	596	2.09	100.0	114	134
73.0	50.0	35 37.0	121 16.6	HO	52 04 04	0929	38	317	1.21	100.0	63	33
73.0	60.0	35 18.2	121 57.6	HO	52 04 04	1531	132	493	2.69	100.0	33	121
77.0	50.0	35 04.4	120 52.0	HO	52 04 04	0108	68	457	1.50	100.0	42	269
77.0	55.0	34 54.5	121 13.0	HO	52 04 04	0421	131	551	2.38	100.0	102	364
80.0	51.0	34 26.3	120 32.5	HO	52 04 10	2213	49	347	1.42	25.0	30	8
80.0	55.0	34 19.5	120 47.7	HO	52 04 10	1956	143	540	2.65	50.0	47	20
80.0	60.0	34 08.2	121 09.5	HO	52 04 10	1631	144	511	2.81	100.0	45	17
80.0	70.0	33 50.8	121 50.5	HO	52 04 10	1041	140	513	2.74	100.0	63	8
80.0	80.0	33 30.2	122 31.2	HO	52 04 10	0455	139	585	2.37	100.0	277	23
80.0	90.0	33 08.0	123 12.5	HO	52 04 09	2311	144	510	2.82	100.0	186	51
80.0	100.0	32 50.7	123 54.1	HO	52 04 09	1711	139	528	2.63	50.0	4	12
83.0	55.0	33 44.1	120 24.0	HO	52 04 11	0336	135	535	2.52	100.0	153	110
83.0	60.0	33 33.6	120 44.5	HO	52 04 11	0711	141	493	2.86	100.0	77	20
83.0	70.0	33 16.1	121 27.6	HO	52 04 11	1321	131	610	2.14	50.0	66	36
83.0	80.0	32 55.0	122 06.1	HO	52 04 11	1901	136	565	2.40	100.0	55	37
83.0	90.0	32 36.4	121 46.8	HO	52 04 12	0326	130	600	2.17	100.0	85	2
87.0	35.0	33 50.0	118 37.5	HO	52 04 13	1511	110	581	1.90	100.0	865	165
87.0	40.0	33 40.5	118 59.0	HO	52 04 13	1231	126	538	2.34	100.0	123	23
87.0	50.0	33 20.3	119 39.5	HO	52 04 13	0734	39	290	1.36	100.0	64	3
87.0	60.0	32 55.0	121 17.1	HO	52 04 13	0141	138	447	2.90	100.0	136	23
87.0	70.0	32 37.0	121 01.9	HO	52 04 12	2011	139	483	2.87	100.0	39	68
87.0	80.0	32 19.3	121 43.6	HO	52 04 12	1501	141	440	3.21	100.0	55	52
87.0	90.0	32 02.0	121 23.0	HO	52 04 12	0846	134	518	2.58	100.0	17	6
90.0	28.0	33 28.0	117 47.5	CR	52 04 01	2156	141	455	3.10	100.0	130	248
90.0	30.0	33 24.5	117 55.0	CR	52 04 01	2256	138	564	2.45	100.0	1548	702
90.0	37.0	33 10.5	118 23.5	CR	52 04 02	0251	137	531	2.58	100.0	1508	396
90.0	45.0	32 54.5	118 56.0	CR	52 04 02	0737	146	442	3.31	100.0	268	489
90.0	53.0	32 39.0	119 28.5	CR	52 04 02	1226	177	454	3.89	100.0	118	268
90.0	60.0	32 27.0	119 53.5	CR	52 04 02	1621	150	487	3.09	100.0	75	63
90.0	70.0	32 04.0	120 39.0	CR	52 04 02	2255	147	489	3.00	100.0	1270	94
90.0	80.0	31 46.5	121 19.0	CR	52 04 03	0531	140	533	2.63	100.0	188	146

TABLE 1. (cont.)

CalCOFI Cruise 5204

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	90.0	31 25.0	121 59.0	CR	52 04 03	1136	127	506	2.50	100.0	904	218
90.0	100.0	31 05.0	122 39.0	CR	52 04 03	1702	138	470	2.93	100.0	466	307
93.0	27.0	32 55.0	117 19.0	CR	52 04 05	0856	122	507	2.40	100.0	400	90
93.0	30.0	32 50.0	117 31.5	CR	52 04 05	0657	133	451	2.95	100.0	207	1374
93.0	40.0	32 30.0	118 12.5	CR	52 04 05	0231	141	455	3.09	100.0	395	915
93.0	50.0	32 10.0	118 54.0	CR	52 04 04	2056	140	449	3.13	100.0	194	172
93.0	60.0	31 52.0	119 30.0	CR	52 04 04	1646	128	463	2.77	100.0	216	190
93.0	70.0	31 33.0	120 16.0	CR	52 04 04	1131	141	465	3.04	100.0	82	90
93.0	80.0	31 12.0	121 00.0	CR	52 04 04	0522	159	426	3.74	100.0	440	68
93.0	90.0	30 51.0	121 36.5	CR	52 04 04	0106	150	487	3.07	100.0	278	268
97.0	32.0	32 10.5	117 16.5	CR	52 04 06	1356	129	452	2.84	100.0	249	1007
97.0	40.0	31 55.0	117 50.5	CR	52 04 06	1832	130	452	2.88	100.0	431	1155
97.0	50.0	31 35.0	118 31.0	CR	52 04 07	0026	139	470	2.97	100.0	160	1867
97.0	60.0	31 12.0	119 08.5	CR	52 04 07	0512	143	434	3.29	100.0	160	432
97.0	70.0	30 51.0	120 31.0	CR	52 04 07	1026	133	466	2.85	100.0	116	1712
97.0	80.0	30 35.0	120 11.0	CR	52 04 07	1536	132	463	2.85	100.0	952	42
97.0	90.0	30 15.0	121 11.0	CR	52 04 07	2111	146	445	3.29	100.0	293	52
100.0	29.0	31 42.0	116 44.0	CR	52 04 09	1759	66	376	1.76	100.0	277	143
100.0	30.0	31 40.5	116 45.0	CR	52 04 09	1657	126	470	2.68	100.0	124	61
100.0	40.0	31 19.0	117 25.0	CR	52 04 09	1209	149	392	3.81	100.0	79	308
100.0	50.0	30 58.0	118 05.0	CR	52 04 09	0522	140	430	3.25	100.0	359	309
100.0	60.0	30 41.0	118 47.5	CR	52 04 09	0021	142	444	3.20	100.0	82	124
100.0	70.0	30 20.5	119 27.0	CR	52 04 08	1916	142	425	3.33	100.0	78	185
100.0	80.0	30 01.0	120 07.0	CR	52 04 08	1426	142	441	3.21	100.0	54	191
100.0	90.0	29 40.0	120 47.0	CR	52 04 08	0926	145	458	3.16	100.0	67	162
100.0	100.0	29 20.0	121 27.0	CR	52 04 08	0341	149	454	3.28	100.0	141	184
103.0	30.0	31 04.5	116 26.5	CR	52 04 09	2224	56	300	1.86	100.0	310	83
103.0	35.0	30 55.5	116 45.0	CR	52 04 10	0056	140	426	3.28	100.0	94	226
103.0	40.0	30 46.0	117 06.0	CR	52 04 10	0401	136	427	3.19	100.0	111	50
103.0	50.0	30 26.0	117 45.5	CR	52 04 10	0901	132	446	2.97	100.0	198	374
103.0	60.0	30 06.0	118 24.5	CR	52 04 10	1416	141	449	3.15	100.0	69	62
103.0	70.0	29 46.0	119 05.5	CR	52 04 10	2011	141	444	3.18	100.0	99	126
103.0	80.0	29 27.0	119 45.0	CR	52 04 11	0131	144	436	3.30	100.0	34	60
103.0	90.0	29 06.0	120 25.0	CR	52 04 11	0955	146	461	3.17	100.0	100	98
107.0	32.0	30 25.5	116 12.0	CR	52 04 12	1801	140	441	3.19	100.0	139	42
107.0	35.0	30 19.0	116 21.5	CR	52 04 12	1557	132	447	2.95	100.0	45	172
107.0	40.0	30 05.5	116 43.0	CR	52 04 12	1221	143	454	3.15	100.0	43	317
107.0	50.0	29 48.5	117 23.0	CR	52 04 12	0716	148	411	3.59	100.0	64	83
107.0	60.0	29 32.0	118 03.0	CR	52 04 12	0221	144	416	3.47	100.0	34	97
107.0	70.0	29 13.5	118 45.0	CR	52 04 11	2126	142	449	3.16	100.0	67	310
107.0	80.0	28 53.0	119 27.5	CR	52 04 11	1602	135	441	3.07	100.0	37	73
110.0	33.0	29 49.5	115 54.0	CR	52 04 12	2226	139	465	2.98	100.0	104	20
110.0	35.0	29 46.5	116 00.0	CR	52 04 13	0011	144	464	3.10	100.0	195	46
110.0	40.0	29 36.5	116 19.5	CR	52 04 13	0316	144	434	3.32	100.0	134	101
110.0	50.0	29 16.5	116 59.0	CR	52 04 13	0841	136	459	2.96	100.0	99	38

TABLE 1. (cont.)

CalCOFI Cruise 5204

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	60.0	28 53.5	117 38.0	CR	52 04 13	1331	137	474	2.89	100.0	35	867
110.0	70.0	28 36.0	118 18.0	CR	52 04 13	1852	135	457	2.95	100.0	95	56
110.0	80.0	28 16.5	118 57.5	CR	52 04 13	2346	144	454	3.16	100.0	142	369
110.0	90.0	27 57.5	119 35.0	CR	52 04 14	0527	148	426	3.46	100.0	132	72
113.0	30.0	29 22.5	115 17.5	BD	52 04 15	0826	35	214	1.64	50.0	8	8
113.0	35.0	29 12.0	115 39.0	BD	52 04 15	0326	140	467	3.00	100.0	106	207
113.0	40.0	29 02.0	115 58.5	BD	52 04 14	2211	151	444	3.41	100.0	45	125
113.0	60.0	28 21.0	117 18.5	BD	52 04 14	0521	132	470	2.82	100.0	44	52
113.0	65.0	28 12.0	117 36.0	BD	52 04 14	0237	137	467	2.92	100.0	46	23
113.0	70.0	28 02.0	117 55.5	BD	52 04 13	2256	142	458	3.10	100.0	41	82
117.0	26.0	28 56.0	114 41.0	BD	52 04 12	1537	70	253	2.78	100.0	12	358
117.0	30.0	28 48.0	114 56.5	BD	52 04 12	1825	70	251	2.78	100.0	16	64
117.0	35.0	28 38.0	115 16.0	BD	52 04 12	2126	138	459	3.00	100.0	71	47
117.0	40.0	28 28.0	115 35.5	BD	52 04 12	2351	138	466	2.97	100.0	95	26
117.0	45.0	28 18.0	115 55.0	BD	52 04 13	0321	141	451	3.13	100.0	39	157
117.0	50.0	28 09.0	116 16.5	BD	52 04 13	0601	139	482	2.88	100.0	32	10
117.0	55.0	28 02.5	116 35.0	BD	52 04 13	0922	140	440	3.18	100.0	14	6
117.0	60.0	27 47.0	116 56.0	BD	52 04 13	1146	138	449	3.08	100.0	20	13
117.0	65.0	27 38.0	117 12.0	BD	52 04 13	1411	140	465	3.01	100.0	2	12
117.0	70.0	27 27.5	117 32.5	BD	52 04 13	1636	140	490	2.85	100.0	30	16
120.0	25.0	28 23.0	114 14.5	BD	52 04 12	1024	39	165	2.36	100.0	5	456
120.0	30.0	28 13.0	114 34.0	BD	52 04 12	0723	70	268	2.63	100.0	50	355
120.0	35.0	28 03.0	114 54.0	BD	52 04 12	0436	62	235	2.66	100.0	31	111
120.0	40.0	27 57.0	115 14.0	BD	52 04 12	0209	22	150	1.46	100.0	17	254
120.0	45.0	27 43.0	115 33.0	BD	52 04 11	2206	139	457	3.03	100.0	70	778
120.0	45.0	27 43.0	115 33.0	BD	52 04 15	1856	139	493	2.80	100.0	256	48
120.0	50.0	27 31.3	115 53.5	BD	52 04 11	1836	141	463	3.05	100.0	86	155
120.0	55.0	27 23.0	116 12.0	BD	52 04 11	1606	137	454	3.02	100.0	279	981
120.0	60.0	27 13.0	116 31.5	BD	52 04 11	1203	141	452	3.12	100.0	26	124
120.0	65.0	27 03.0	116 51.0	BD	52 04 11	0934	137	466	2.95	100.0	18	40
120.0	70.0	26 52.5	117 10.0	BD	52 04 11	0553	142	469	3.02	100.0	37	35
120.0	80.0	26 32.5	117 48.5	BD	52 04 10	2331	147	483	3.04	100.0	15	193
120.0	90.0	26 12.0	118 25.0	BD	52 04 10	1751	140	476	2.95	100.0	2	37
123.0	37.0	27 24.0	114 41.0	BD	52 04 09	1153	55	212	2.59	50.0	99	514
123.0	40.0	27 18.0	114 51.5	BD	52 04 09	1341	143	454	3.16	100.0	13	354
123.0	40.0	27 17.0	114 51.5	BD	52 04 16	0142	143	466	3.00	100.0	44	66
123.0	45.0	27 08.0	115 10.7	BD	52 04 15	2313	139	472	2.92	25.0	360	572
123.0	45.0	27 08.0	115 11.0	BD	52 04 09	1706	139	474	2.92	100.0	140	525
123.0	50.0	26 58.0	115 30.5	BD	52 04 09	1936	135	478	2.82	100.0	268	178
123.0	55.0	26 48.0	115 49.7	BD	52 04 09	2301	142	476	2.99	100.0	61	40
123.0	60.0	26 38.5	116 09.0	BD	52 04 10	0118	137	497	2.76	100.0	35	56
127.0	34.0	26 55.3	114 06.0	BD	52 04 09	0639	62	255	2.43	100.0	81	4
127.0	40.0	26 43.5	114 29.5	BD	52 04 09	0235	142	454	3.13	100.0	567	291
127.0	45.0	26 33.0	114 49.0	BD	52 04 09	0001	144	434	3.32	100.0	452	637
127.0	50.0	26 23.5	115 08.0	BD	52 04 08	2011	141	476	2.95	100.0	178	23

TABLE 1. (cont.)

CalCOFI Cruise 5204

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
127.0	55.0	26 14.0	115 27.0	BD	52 04 08	1746	141	484	2.92	100.0	47	22
127.0	60.0	26 04.0	115 46.0	BD	52 04 08	1436	140	490	2.85	100.0	23	43
130.0	30.0	26 29.0	113 29.0	BD	52 04 07	1315	65	244	2.68	100.0	5	0
130.0	35.0	26 19.0	113 48.5	BD	52 04 07	1606	135	494	2.73	100.0	101	200
130.0	40.0	26 09.0	114 07.5	BD	52 04 07	1916	139	479	2.90	100.0	238	200
130.0	45.0	25 59.0	114 26.5	BD	52 04 07	2341	145	451	3.21	100.0	403	89
130.0	50.0	25 49.0	114 46.0	BD	52 04 08	0217	143	466	3.07	100.0	939	1632
130.0	55.0	25 40.0	115 05.0	BD	52 04 08	0541	140	485	2.89	100.0	154	908
130.0	60.0	25 26.0	115 25.0	BD	52 04 08	0804	140	482	2.90	100.0	307	54
133.0	25.0	26 04.5	112 48.0	BD	52 04 07	0748	62	260	2.40	100.0	1349	433
133.0	30.0	25 55.5	113 06.5	BD	52 04 07	0421	141	496	2.84	50.0	145	168
133.0	35.0	25 44.0	113 26.5	BD	52 04 07	0151	139	473	2.93	100.0	219	1280
133.0	40.0	25 34.5	113 45.5	BD	52 04 06	2221	149	500	2.98	100.0	106	673
133.0	45.0	25 24.5	114 05.0	BD	52 04 06	1953	137	489	2.81	100.0	234	348
133.0	50.0	25 14.5	114 24.0	BD	52 04 06	1629	137	489	2.67	100.0	41	32
133.0	60.0	24 54.5	115 01.5	BD	52 04 06	1104	136	510	2.92	100.0	233	81
137.0	23.0	25 34.2	112 18.7	BD	52 04 05	0849	59	256	2.32	100.0	1	6
137.0	30.0	25 19.5	112 46.0	BD	52 04 05	1228	141	516	2.72	25.0	13	10
137.0	35.0	25 10.0	113 04.5	BD	52 04 05	1549	137	522	2.63	100.0	382	420
137.0	40.0	24 59.0	113 25.5	BD	52 04 05	1819	137	535	2.57	25.0	144	735
137.0	45.0	24 50.0	113 42.5	BD	52 04 05	2124	140	488	2.88	100.0	59	834
137.0	50.0	24 40.0	114 01.5	BD	52 04 05	2346	139	464	3.00	100.0	98	316
137.0	60.0	24 18.0	114 38.5	BD	52 04 06	0506	136	509	2.67	100.0	111	166

TABLE 1. (cont.)

CalCOFI Cruise 5205

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	80.0	36 57.0	125 04.0	BD	52 05 21	0231	142	512	2.77	100.0	104	97
60.0	90.0	36 37.0	125 47.0	BD	52 05 20	1431	141	486	2.91	100.0	16	13
60.0	100.0	36 17.0	126 30.0	BD	52 05 20	0706	139	489	2.85	100.0	13	6
63.0	52.0	37 19.0	122 36.2	BD	52 05 08	1913	62	299	2.09	100.0	4	7
63.0	55.0	37 14.0	122 49.5	BD	52 05 08	2111	145	477	3.05	50.0	30	31
63.0	60.0	37 03.5	123 10.7	BD	52 05 09	0011	138	518	2.67	25.0	19	15
63.0	65.0	36 53.0	123 32.0	BD	52 05 09	0301	127	571	2.23	50.0	15	7
67.0	50.0	36 49.0	122 04.6	BD	52 05 09	2033	76	309	2.47	50.0	0	15
67.0	55.0	36 36.0	122 26.0	BD	52 05 09	1601	138	439	3.13	50.0	9	27
70.0	55.0	36 03.0	122 02.0	BD	52 05 18	1046	139	493	2.82	50.0	8	21
70.0	60.0	35 53.0	122 23.0	BD	52 05 18	1526	140	484	2.89	6.0	2	1
70.0	65.0	35 42.5	122 45.0	BD	52 05 18	1831	139	491	2.84	50.0	16	23
70.0	70.0	35 33.0	123 06.0	BD	52 05 18	2051	140	474	2.96	13.0	9	3
70.0	80.0	35 13.0	123 48.0	BD	52 05 19	0326	130	527	2.48	100.0	26	3
70.0	90.0	34 53.0	124 30.0	BD	52 05 19	0916	141	505	2.79	100.0	13	6
70.0	100.0	34 33.0	125 12.0	BD	52 05 19	1416	142	484	2.94	100.0	18	13
73.0	50.0	35 37.0	121 16.6	BD	52 05 18	0433	68	270	2.52	100.0	13	2
73.0	55.0	35 27.5	121 37.0	BD	52 05 18	0141	141	492	2.86	50.0	15	5
73.0	60.0	35 18.0	121 58.4	BD	52 05 17	2141	140	472	2.97	100.0	35	26
77.0	50.0	35 04.4	120 52.0	BD	52 05 17	0456	136	504	2.70	50.0	35	21
77.0	55.0	34 54.0	121 15.5	BD	52 05 17	0817	139	464	2.99	100.0	20	124
77.0	60.0	34 44.0	121 34.0	BD	52 05 17	1141	141	486	2.91	100.0	41	753
77.0	65.0	34 34.0	121 55.0	BD	52 05 17	1421	141	445	3.18	100.0	48	185
80.0	51.0	34 26.5	120 32.5	BD	52 05 15	1848	70	284	2.48	100.0	8	12
80.0	55.0	34 19.0	120 48.0	BD	52 05 15	1536	141	510	2.77	100.0	7	13
80.0	60.0	34 09.0	121 09.0	BD	52 05 15	0751	137	572	2.39	100.0	32	57
80.0	70.0	33 49.0	121 51.0	BD	52 05 14	1657	132	510	2.60	100.0	5	89
80.0	80.0	33 29.0	122 32.0	BD	52 05 13	2256	132	536	2.46	100.0	43	19
80.0	85.0	33 19.0	122 53.0	BD	52 05 13	2011	142	494	2.87	100.0	28	91
80.0	90.0	33 09.0	123 13.0	BD	52 05 13	1626	137	514	2.66	100.0	46	13
80.0	100.0	32 49.0	123 54.0	BD	52 05 13	1041	142	527	2.69	100.0	24	8
83.0	43.0	34 08.0	119 34.0	BD	52 05 11	1631	137	512	2.68	25.0	8	7
83.0	55.0	33 44.0	120 24.5	BD	52 05 12	0026	142	450	3.16	100.0	347	104
83.0	60.0	33 34.0	120 45.0	BD	52 05 12	0656	140	543	2.58	50.0	83	936
83.0	65.0	33 24.0	121 05.0	BD	52 05 12	1131	132	473	2.79	25.0	11	1332
83.0	70.0	33 14.5	121 26.0	BD	52 05 12	1401	139	479	2.91	100.0	61	793
83.0	75.0	33 04.0	121 47.0	BD	52 05 12	1751	148	508	2.91	100.0	12	134
83.0	80.0	32 54.5	122 07.5	BD	52 05 12	2026	137	501	2.70	100.0	30	14
83.0	85.0	32 44.0	122 28.0	BD	52 05 13	0011	136	503	2.70	100.0	18	83
83.0	90.0	32 34.5	122 48.0	BD	52 05 13	0241	140	501	2.79	100.0	12	30
87.0	35.0	33 48.9	118 37.3	SB	52 05 09	0556	141	479	2.95	100.0	14	13
87.0	40.0	33 40.0	118 58.0	SB	52 05 09	0941	142	464	3.07	100.0	12	0
87.0	45.0	33 30.0	119 18.8	SB	52 05 09	1216	145	480	3.02	100.0	15	15
87.0	50.0	33 20.6	119 40.5	SB	52 05 09	1517	54	340	1.59	100.0	165	714
87.0	55.0	33 11.0	119 59.9	SB	52 05 09	1805	143	461	3.10	100.0	96	250

TABLE 1. (cont.)

CalCOFI Cruise 5205

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	60.0	32 58.0	120 18.0	SB	52 05 09	2206	132	503	3.43	25.0	26	178
87.0	65.0	32 49.0	120 14.2	SB	52 05 10	0106	142	462	3.07	50.0	63	513
87.0	70.0	32 39.5	121 02.0	SB	52 05 10	0451	156	360	4.34	50.0	43	732
87.0	75.0	32 30.0	121 23.0	SB	52 05 10	0720	140	484	2.89	100.0	31	2023
87.0	80.0	32 17.0	121 44.6	SB	52 05 10	1136	133	538	2.47	100.0	12	172
90.0	28.0	33 27.7	117 48.0	SB	52 05 12	1400	133	521	2.55	100.0	50	618
90.0	30.0	33 24.5	117 55.0	SB	52 05 12	1206	117	538	2.18	100.0	47	179
90.0	37.0	33 12.0	118 22.0	SB	52 05 12	0821	131	415	3.15	100.0	55	404
90.0	45.0	32 54.5	118 56.0	SB	52 05 12	0336	142	605	2.35	100.0	77	275
90.0	53.0	32 38.0	119 25.0	SB	52 05 11	2215	122	418	2.92	100.0	175	55
90.0	60.0	32 24.8	119 56.1	SB	52 05 11	1711	132	485	2.73	100.0	61	778
90.0	65.0	32 08.9	120 24.0	SB	52 05 11	1250	142	466	3.05	100.0	5	68
90.0	75.0	31 54.6	120 58.9	SB	52 05 11	0456	141	476	2.97	100.0	217	403
90.0	80.0	31 45.0	121 19.0	SB	52 05 11	0206	141	489	2.39	100.0	210	765
90.0	90.0	31 25.0	121 59.0	SB	52 05 10	1936	134	509	2.63	100.0	134	342
93.0	27.0	32 56.0	117 20.0	ES	52 05 13	2021	136	525	2.59	100.0	250	1072
93.0	30.0	32 49.8	117 32.2	ES	52 05 13	2256	148	461	3.20	100.0	287	183
93.0	35.0	32 40.2	117 52.5	ES	52 05 14	0151	153	468	3.27	100.0	178	689
93.0	40.0	32 30.9	118 13.4	ES	52 05 14	0536	148	439	3.36	100.0	79	294
93.0	45.0	32 18.5	118 31.5	ES	52 05 14	0841	144	445	3.24	100.0	98	252
93.0	50.0	32 09.3	118 47.1	ES	52 05 14	1236	151	476	3.17	100.0	85	356
93.0	55.0	32 00.0	119 11.3	ES	52 05 14	1601	139	480	2.91	100.0	281	613
93.0	60.0	31 51.4	119 35.4	ES	52 05 14	2056	147	450	3.27	100.0	115	186
93.0	65.0	31 32.0	119 55.5	ES	52 05 14	2356	142	437	3.26	100.0	60	61
93.0	70.0	31 27.9	120 17.8	ES	52 05 15	0352	143	477	2.99	100.0	68	101
93.0	75.0	31 16.7	120 32.0	ES	52 05 15	0631	145	454	3.20	100.0	68	65
93.0	80.0	31 05.6	120 58.1	ES	52 05 15	0950	144	452	3.19	100.0	117	39
97.0	30.0	32 15.1	117 08.4	ES	52 05 17	0634	21	124	1.66	100.0	94	17
97.0	35.0	32 05.8	117 30.0	ES	52 05 17	0331	136	370	3.68	100.0	213	79
97.0	40.0	31 55.5	117 50.0	ES	52 05 17	0101	141	449	3.15	100.0	140	240
97.0	45.0	31 46.5	118 09.0	ES	52 05 16	2111	131	489	2.68	50.0	234	478
97.0	50.0	31 35.4	118 30.3	ES	52 05 16	1826	139	485	2.86	100.0	16	66
97.0	55.0	31 25.5	118 50.0	ES	52 05 16	1431	141	404	3.49	100.0	16	62
97.0	60.0	31 15.9	119 10.7	ES	52 05 16	1143	145	350	4.14	100.0	11	80
97.0	65.0	31 07.8	119 26.0	ES	52 05 16	0831	140	352	3.98	100.0	19	17
97.0	70.0	30 57.0	119 47.6	ES	52 05 16	0606	139	365	3.82	100.0	65	44
97.0	75.0	30 46.0	120 09.0	ES	52 05 16	0200	138	478	2.89	100.0	111	39
97.0	80.0	30 36.9	120 29.0	ES	52 05 15	2316	151	415	3.65	100.0	88	325
97.0	90.0	30 16.3	121 11.5	ES	52 05 15	1656	139	492	2.82	100.0	54	110
100.0	29.0	31 42.2	116 43.5	PT	52 05 19	2326	94	534	1.77	50.0	49	23
100.0	30.0	31 41.0	116 46.5	PT	52 05 20	0110	132	558	2.37	50.0	54	29
100.0	40.0	31 23.0	117 26.0	PT	52 05 20	0726	130	512	2.54	100.0	42	45
100.0	45.0	31 13.0	117 47.0	PT	52 05 20	1006	134	566	2.36	50.0	50	701
100.0	50.0	31 05.0	118 07.0	PT	52 05 20	1501	124	542	2.28	100.0	33	575
100.0	55.0	30 54.0	118 29.0	PT	52 05 20	1751	133	383	3.48	100.0	38	203

TABLE 1. (cont.)

CalCOFI Cruise 5205

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	60.0	30 46.0	118 48.0	PT	52 05 20	2136	136	455	2.98	100.0	73	198
100.0	65.0	30 35.0	119 03.0	PT	52 05 21	0039	168	346	4.85	100.0	27	65
100.0	70.0	30 26.0	119 17.0	PT	52 05 21	0438	137	529	2.58	100.0	1	2
100.0	75.0	30 13.0	119 36.0	PT	52 05 21	0724	119	615	1.94	100.0	52	116
100.0	80.0	29 48.5	120 12.0	PT	52 05 21	1304	126	546	2.31	100.0	15	169
100.0	90.0	29 40.5	120 47.0	PT	52 05 21	1854	143	484	2.96	100.0	49	246
103.0	30.0	31 00.0	116 25.2	PT	52 05 23	2103	41	306	1.33	25.0	14	0
103.0	35.0	30 37.0	116 49.0	PT	52 05 23	1559	145	510	2.85	100.0	35	63
103.0	40.0	30 29.0	117 10.0	PT	52 05 23	1229	144	540	2.67	100.0	91	1318
103.0	45.0	30 22.0	117 29.0	PT	52 05 23	0849	134	594	2.26	100.0	58	1599
103.0	50.0	30 14.0	117 50.0	PT	52 05 23	0514	135	476	2.84	100.0	61	101
103.0	60.0	30 00.0	118 28.0	PT	52 05 22	2153	140	472	2.96	100.0	80	178
103.0	65.0	29 53.0	118 48.0	PT	52 05 22	1724	141	532	2.66	100.0	52	134
103.0	70.0	29 45.0	119 06.5	PT	52 05 22	1439	149	471	3.17	100.0	62	208
103.0	75.0	29 29.0	119 20.0	PT	52 05 22	1054	131	545	2.40	100.0	22	230
103.0	80.0	29 26.0	119 42.0	PT	52 05 22	0754	131	575	2.28	100.0	24	232
103.0	90.0	29 06.0	120 25.0	PT	52 05 22	0132	146	515	2.84	100.0	75	386
107.0	32.0	30 25.9	116 11.0	PT	52 05 24	0214	129	606	2.13	50.0	59	12
107.0	35.0	30 20.0	116 23.0	PT	52 05 24	0454	133	614	2.16	50.0	94	32
107.0	40.0	30 10.8	116 43.5	PT	52 05 24	0829	138	564	2.46	100.0	18	49
107.0	45.0	30 02.0	117 03.0	PT	52 05 24	1119	135	615	2.20	100.0	34	173
107.0	50.0	29 51.0	117 21.0	PT	52 05 24	1509	137	398	3.43	100.0	27	190
107.0	60.0	29 31.0	118 00.0	PT	52 05 24	2123	134	521	2.57	100.0	132	335
107.0	70.0	29 11.2	118 43.0	PT	52 05 25	1724	143	541	2.65	100.0	54	194
107.0	80.0	28 52.5	119 20.5	PT	52 05 25	2333	143	530	2.70	100.0	70	272
110.0	33.0	29 50.0	115 53.5	SB	52 05 25	0628	72	362	2.00	100.0	37	11
110.0	35.0	29 46.2	116 00.5	SB	52 05 25	0456	141	435	3.25	100.0	202	78
110.0	40.0	29 37.0	116 20.0	SB	52 05 25	0131	132	472	2.80	100.0	205	57
110.0	45.0	29 27.0	116 39.0	SB	52 05 24	2231	143	290	4.94	100.0	67	59
110.0	50.0	29 16.5	116 59.0	SB	52 05 24	2011	143	385	3.70	100.0	83	37
110.0	60.0	28 56.0	117 39.0	SB	52 05 24	1436	138	468	2.95	100.0	36	110
110.0	70.0	28 36.0	118 18.0	SB	52 05 24	0911	144	415	3.47	100.0	35	1190
110.0	80.0	28 16.0	118 57.0	SB	52 05 24	0346	141	459	3.07	100.0	130	154
110.0	90.0	28 01.0	119 36.0	SB	52 05 23	2306	134	491	2.72	100.0	240	130
113.0	30.0	29 22.4	115 17.6	SB	52 05 22	1728	42	259	1.61	100.0	16	110
113.0	35.0	29 12.5	115 37.0	SB	52 05 22	1931	142	447	3.17	100.0	42	575
113.0	40.0	28 58.5	116 02.5	SB	52 05 22	2256	140	456	3.07	100.0	46	21
113.0	45.0	28 50.0	116 21.0	SB	52 05 23	0110	133	524	2.53	100.0	61	101
113.0	50.0	28 36.0	116 34.0	SB	52 05 23	0406	139	438	3.18	100.0	45	134
113.0	55.0	28 21.0	116 58.5	SB	52 05 23	0616	141	453	3.10	100.0	50	60
113.0	60.0	28 22.0	117 17.0	SB	52 05 23	0916	142	453	3.14	100.0	22	54
113.0	65.0	28 13.0	117 37.0	SB	52 05 23	1116	139	424	3.28	100.0	45	99
113.0	70.0	28 04.0	117 56.0	SB	52 05 23	1356	142	444	3.21	100.0	45	113
117.0	26.0	28 56.0	114 41.0	SB	52 05 22	1319	42	280	1.51	100.0	31	746
117.0	30.0	28 48.0	114 57.0	SB	52 05 22	1111	72	406	1.78	100.0	39	80

TABLE 1. (cont.)

CalCOFI Cruise 5205

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	35.0	28 37.0	115 17.5	SB	52 05 22	0836	140	457	3.06	100.0	63	140
117.0	40.0	28 28.0	115 37.6	SB	52 05 22	0726	138	481	2.86	100.0	25	83
117.0	45.0	28 18.0	115 55.0	SB	52 05 22	0321	129	591	2.19	100.0	26	25
117.0	50.0	27 55.0	116 04.0	SB	52 05 22	0056	135	516	2.62	100.0	52	433
117.0	55.0	27 27.2	116 33.0	SB	52 05 21	1941	156	431	3.61	100.0	51	33
117.0	60.0	27 15.0	116 57.0	SB	52 05 21	1731	139	533	2.62	100.0	10	24
117.0	65.0	27 15.2	117 20.2	SB	52 05 21	1441	144	476	3.02	100.0	26	11
117.0	70.0	27 15.0	117 42.0	SB	52 05 21	1241	145	429	3.38	100.0	16	32
120.0	25.0	28 24.0	114 16.0	SB	52 05 19	2038	44	228	1.93	100.0	121	1051
120.0	30.0	28 13.0	114 33.5	SB	52 05 19	2228	72	366	1.96	100.0	290	1668
120.0	35.0	28 03.0	114 54.5	SB	52 05 20	0103	53	349	1.51	50.0	120	1162
120.0	40.0	27 55.0	115 17.0	SB	52 05 20	0304	39	297	1.31	100.0	122	803
120.0	45.0	27 43.6	115 33.2	SB	52 05 20	0551	143	438	3.25	100.0	157	797
120.0	50.0	27 31.0	115 56.0	SB	52 05 20	0926	141	455	3.09	100.0	17	84
120.0	55.0	27 21.0	116 14.0	SB	52 05 20	1116	130	499	2.60	100.0	18	63
120.0	60.0	27 15.0	116 32.0	SB	52 05 20	1426	134	468	2.87	100.0	16	38
120.0	65.0	27 03.0	116 51.9	SB	52 05 20	1636	135	488	2.77	100.0	26	56
120.0	70.0	26 52.5	117 11.0	SB	52 05 20	1906	145	428	3.39	100.0	61	237
120.0	80.0	26 32.0	117 48.0	SB	52 05 21	0000	126	538	2.34	100.0	70	1368
120.0	90.0	26 13.0	118 28.0	SB	52 05 21	0426	141	481	2.93	100.0	18	170
123.0	37.0	27 24.0	114 40.0	SB	52 05 19	0014	36	279	1.29	50.0	59	272
123.0	40.0	27 18.0	114 51.0	SB	52 05 18	2211	146	466	3.13	100.0	104	519
123.0	45.0	27 08.0	115 04.0	SB	52 05 18	1911	155	379	4.10	100.0	43	44
123.0	50.0	26 58.0	115 30.5	SB	52 05 18	1721	136	462	2.95	100.0	37	211
123.0	55.0	26 48.0	115 50.0	SB	52 05 18	1416	135	520	2.60	100.0	22	520
123.0	60.0	26 40.0	116 14.0	SB	52 05 18	1141	141	454	3.10	100.0	15	295
127.0	34.0	26 55.3	114 06.0	SB	52 05 17	1627	54	364	1.47	50.0	11	532
127.0	40.0	26 42.8	114 31.3	SB	52 05 17	1946	145	448	3.24	100.0	84	233
127.0	45.0	26 33.0	114 50.0	SB	52 05 17	2156	144	428	3.37	100.0	187	131
127.0	50.0	26 24.0	115 08.0	SB	52 05 18	0121	138	434	3.17	100.0	54	501
127.0	55.0	26 14.0	115 28.0	SB	52 05 18	0326	134	494	2.72	100.0	28	277
127.0	60.0	26 03.5	115 46.5	SB	52 05 18	0616	143	442	3.23	100.0	37	51
130.0	30.0	26 29.0	113 30.0	SB	52 05 17	1147	57	402	1.41	50.0	1	4
130.0	35.0	26 19.5	113 48.5	SB	52 05 17	0941	145	444	3.26	100.0	81	560
130.0	40.0	26 01.0	114 23.0	SB	52 05 17	0526	128	474	2.70	100.0	21	170
130.0	45.0	25 58.0	114 26.0	SB	52 05 17	0126	131	483	2.71	100.0	170	58
130.0	50.0	25 38.0	115 05.0	SB	52 05 16	2256	141	495	2.84	100.0	264	119
130.0	55.0	25 28.0	115 26.0	SB	52 05 16	1936	140	441	3.17	100.0	54	588
130.0	60.0	25 17.0	115 48.0	SB	52 05 16	1641	135	473	2.86	100.0	34	236
133.0	25.0	26 05.0	112 48.0	SB	52 05 15	1708	40	292	1.38	100.0	248	513
133.0	30.0	25 54.5	113 07.5	SB	52 05 15	2001	134	535	2.50	25.0	18	0
133.0	35.0	25 49.0	113 28.0	SB	52 05 15	2236	125	487	2.56	100.0	130	113
133.0	40.0	25 34.5	113 45.0	SB	52 05 16	0241	132	495	2.66	100.0	110	59
133.0	45.0	25 23.9	114 04.5	SB	52 05 16	0511	115	522	2.20	100.0	21	341
133.0	50.0	25 14.5	114 24.0	SB	52 05 16	0826	136	520	2.62	100.0	15	47

TABLE 1. (cont.)

CalCOFI Cruise 5205

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
137.0	23.0	25 35.0	112 19.0	SB	52 05 15	1232	36	325	1.12	100.0	12	85
137.0	30.0	25 07.0	112 47.0	SB	52 05 15	0746	128	581	2.21	100.0	24	36
137.0	35.0	25 07.0	113 04.2	SB	52 05 15	0416	116	598	1.95	100.0	25	79
137.0	40.0	24 53.0	113 25.0	SB	52 05 15	0206	128	514	2.49	100.0	4	6
137.0	45.0	24 50.0	113 43.0	SB	52 05 14	2251	137	601	2.29	100.0	236	112
137.0	50.0	24 40.0	114 01.5	SB	52 05 14	2036	133	512	2.60	100.0	40	222

TABLE 1. (cont.)

CalCOFI Cruise 5206

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
50.0	50.0	39 40.5	124 09.0	SB	52 06 16	0007	118	564	2.09	25.0	37	1
53.0	52.0	39 02.0	123 51.1	SB	52 06 15	1628	55	320	1.71	100.0	28	3
53.0	55.0	38 56.0	124 04.0	SB	52 06 15	1406	104	543	1.91	50.0	20	20
53.0	65.0	38 34.0	124 55.0	SB	52 06 15	0906	147	418	3.52	25.0	5	1
57.0	51.0	28 29.8	123 22.5	SB	52 06 14	1703	126	489	2.58	25.0	2	9
57.0	55.0	38 22.1	123 39.5	SB	52 06 14	2002	61	549	1.11	50.0	52	19
57.0	65.0	38 02.1	124 25.0	SB	52 06 15	0216	112	560	2.00	25.0	18	6
60.0	55.0	37 48.9	123 19.8	SB	52 06 13	0323	59	300	1.96	50.0	29	9
60.0	60.0	37 33.7	123 33.0	SB	52 06 13	0056	145	494	2.94	25.0	23	0
60.0	65.0	37 25.0	124 00.0	SB	52 06 12	2106	140	460	3.05	50.0	36	10
60.0	70.0	37 18.9	124 22.1	SB	52 06 12	1856	140	481	2.92	50.0	7	25
60.0	90.0	36 38.3	125 49.9	SB	52 06 12	0956	138	487	2.83	100.0	19	6
60.0	100.0	36 15.4	126 25.2	SB	52 06 12	0541	145	454	3.21	100.0	6	17
63.0	52.0	37 19.5	122 36.2	SB	52 06 17	0643	56	327	1.72	100.0	4	9
63.0	55.0	37 14.0	122 49.5	SB	52 06 17	0446	131	494	2.65	100.0	23	29
63.0	60.0	37 03.5	123 10.5	SB	52 06 17	0126	138	478	2.90	50.0	17	6
63.0	65.0	36 50.0	123 48.0	SB	52 06 16	2131	135	479	2.83	100.0	15	9
67.0	50.0	36 49.0	122 05.0	SB	52 06 17	1108	55	312	1.77	100.0	3	35
67.0	55.0	36 39.0	122 26.0	SB	52 06 17	1406	137	507	2.70	50.0	7	4
67.0	60.0	36 29.0	122 47.5	SB	52 06 17	1616	140	366	3.82	25.0	3	3
67.0	65.0	36 19.0	123 09.0	SB	52 06 17	1916	129	359	3.59	25.0	1	1
70.0	55.0	36 03.0	122 02.0	SB	52 06 10	1736	114	555	2.06	25.0	2	5
70.0	60.0	35 54.0	122 27.0	SB	52 06 10	2110	141	443	3.18	50.0	13	11
70.0	65.0	35 43.5	122 54.0	SB	52 06 10	2331	134	477	2.81	50.0	14	2
70.0	70.0	35 33.0	123 21.0	SB	52 06 11	0406	146	465	3.14	50.0	18	4
70.0	75.0	35 25.0	123 43.0	SB	52 06 11	0631	141	455	3.11	50.0	7	1
70.0	80.0	35 22.0	123 50.0	SB	52 06 11	0816	136	427	3.19	50.0	13	13
70.0	90.0	35 00.0	124 34.0	SB	52 06 11	1311	127	486	2.62	100.0	6	90
70.0	100.0	34 37.0	125 05.0	SB	52 06 11	1726	135	502	2.69	100.0	28	78
73.0	55.0	35 27.5	121 37.5	SB	52 06 10	1128	70	389	1.79	100.0	4	3
77.0	50.0	35 04.4	120 52.0	SB	52 06 09	0906	137	469	2.92	100.0	50	16
77.0	55.0	34 54.8	121 12.2	SB	52 06 09	1723	70	337	2.07	100.0	1	7
77.0	60.0	34 44.5	121 33.0	SB	52 06 09	2016	140	436	3.21	50.0	26	3
80.0	51.0	34 26.3	120 33.6	SB	52 06 09	2231	140	460	3.05	25.0	6	7
80.0	55.0	34 17.0	120 46.0	SB	52 06 09	1121	136	501	1.69	100.0	14	21
80.0	60.0	34 03.0	121 08.0	SB	52 06 09	0826	141	488	2.71	100.0	9	19
80.0	65.0	33 56.6	121 28.0	SB	52 06 09	0531	139	437	2.89	100.0	63	379
80.0	70.0	33 49.0	121 51.0	SB	52 06 09	0326	141	483	3.19	50.0	18	369
80.0	80.0	33 29.0	122 32.0	SB	52 06 08	2216	126	498	2.91	50.0	41	373
80.0	90.0	33 09.0	123 13.0	SB	52 06 08	1656	130	490	2.52	100.0	13	7
80.0	100.0	32 49.3	123 54.2	SB	52 06 08	1241	137	484	2.65	100.0	10	114
83.0	43.0	34 08.0	119 34.0	SB	52 06 06	1136	133	553	2.82	100.0	13	132
83.0	55.0	33 44.0	120 24.5	SB	52 06 07	0841	131	531	2.41	100.0	36	139
83.0	60.0	33 31.0	120 43.0	SB	52 06 07	1206	105	599	2.51	50.0	59	1017
									1.76	50.0	14	242

TABLE 1. (cont.)

CalCOFI Cruise 5206												
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	70.0	33 14.5	121 26.0	SB	52 06 07	1746	140	476	2.94	100.0	67	644
83.0	75.0	33 06.0	121 46.0	SB	52 06 07	2011	135	517	2.62	25.0	4	34
83.0	80.0	32 54.0	122 08.0	SB	52 06 08	0006	126	595	2.12	100.0	103	61
83.0	90.0	32 35.6	122 51.9	SB	52 06 08	0620	127	460	2.76	100.0	20	40
87.0	35.0	33 50.0	118 37.0	BD	52 06 13	2229	71	251	2.85	100.0	90	13
87.0	35.0	33 50.0	118 37.5	YE	52 06 03	0814	106	541	1.95	100.0	116	362
87.0	40.0	33 40.0	118 58.5	YE	52 06 03	1155	120	497	2.41	100.0	35	7
87.0	45.0	33 29.7	119 18.7	YE	52 06 03	1535	124	511	2.42	100.0	21	0
87.0	50.0	33 20.0	119 39.5	YE	52 06 03	1833	33	207	1.62	100.0	16	34
87.0	55.0	33 10.2	120 00.2	YE	52 06 03	2113	127	467	2.72	50.0	156	110
87.0	60.0	32 57.5	120 20.0	YE	52 06 03	2356	129	391	3.31	25.0	38	29
87.0	70.0	32 39.5	121 02.0	YE	52 06 04	0611	127	228	5.60	50.0	43	80
87.0	80.0	32 12.0	121 43.0	YE	52 06 04	1207	120	418	2.88	100.0	79	194
90.0	28.0	33 28.5	117 46.5	YE	52 06 06	1629	32	274	1.19	50.0	37	119
90.0	28.0	33 28.5	117 46.7	BD	52 06 12	2048	136	510	2.68	50.0	98	50
90.0	30.0	33 24.5	117 55.0	YE	52 06 06	1328	72	379	1.91	100.0	38	15
90.0	30.0	33 24.5	117 55.0	BD	52 06 12	1848	137	503	2.71	100.0	30	8
90.0	30.0	33 24.5	117 55.0	BD	52 06 06	1848	135	538	2.50	100.0	36	16
90.0	31.0	33 23.0	117 59.0	BD	52 06 12	1748	143	477	2.99	100.0	13	11
90.0	33.0	33 19.0	118 07.0	BD	52 06 12	1634	139	498	2.80	100.0	38	2
90.0	35.0	33 15.0	118 15.0	BD	52 06 12	1516	141	478	2.95	100.0	23	1
90.0	37.0	33 10.7	118 23.0	BD	52 06 06	2126	139	527	2.63	50.0	344	76
90.0	37.0	33 11.0	118 23.5	BD	52 06 12	0856	139	519	2.68	100.0	58	2
90.0	37.0	33 11.5	118 23.5	YE	52 06 06	0922	120	440	2.73	100.0	49	4
90.0	39.0	33 06.5	118 32.5	BD	52 06 12	1054	142	479	2.96	100.0	15	9
90.0	41.0	33 03.0	118 40.0	BD	52 06 12	1206	145	470	3.07	100.0	29	121
90.0	45.0	32 54.5	118 56.0	BD	52 06 07	0111	138	527	2.61	50.0	52	0
90.0	45.0	32 55.5	118 56.5	YE	52 06 06	0456	129	385	3.35	50.0	21	0
90.0	53.0	32 39.5	119 30.0	YE	52 06 06	0001	125	412	3.03	100.0	157	18
90.0	53.0	32 38.5	119 29.0	BD	52 06 07	0516	144	494	2.91	100.0	81	154
90.0	60.0	32 25.5	119 59.5	YE	52 06 05	1946	138	373	3.68	100.0	39	196
90.0	60.0	32 25.0	119 52.5	BD	52 06 07	0901	140	488	2.87	100.0	179	303
90.0	65.0	32 14.0	120 18.0	YE	52 06 05	1731	130	386	3.36	100.0	41	583
90.0	70.0	32 04.5	120 39.0	YE	52 06 05	1410	126	399	3.16	50.0	15	553
90.0	80.0	31 48.5	121 14.0	YE	52 06 05	0920	124	433	2.85	100.0	25	206
90.0	90.0	31 25.0	121 59.0	YE	52 06 05	0414	128	448	2.86	100.0	16	472
90.0	100.0	31 04.5	122 40.0	YE	52 06 04	2135	122	441	2.75	100.0	63	93
93.0	27.0	32 56.0	117 19.2	YE	52 06 06	2048	65	247	2.63	100.0	107	34
93.0	30.0	32 50.0	117 31.5	BD	52 06 06	1226	135	549	2.47	100.0	69	41
93.0	30.0	32 50.0	117 31.5	YE	52 06 06	2251	128	407	3.14	100.0	80	120
93.0	35.0	32 40.0	117 52.0	YE	52 06 07	0206	125	389	3.22	100.0	80	16
93.0	40.0	32 30.0	118 12.5	BD	52 06 12	0316	144	487	2.96	50.0	32	8
93.0	40.0	32 30.0	118 12.5	YE	52 06 07	0431	132	376	3.51	100.0	140	4
93.0	45.0	32 20.0	118 33.0	YE	52 06 07	0806	129	366	3.53	50.0	30	6
93.0	50.0	32 10.0	118 53.5	YE	52 06 07	1006	135	356	3.78	50.0	35	10

TABLE 1. (cont.)

CalCOFI Cruise 5206

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	50.0	32 10.0	118 53.5	BD	52 06 11	2111	140	497	2.81	100.0	53	28
93.0	55.0	31 59.0	119 13.0	YE	52 06 07	1315	136	387	3.50	100.0	145	38
93.0	60.0	31 50.0	119 34.0	BD	52 06 07	1356	144	476	3.02	100.0	25	31
93.0	60.0	31 48.5	119 32.0	YE	52 06 07	1536	132	361	3.67	100.0	41	41
93.0	65.0	31 37.0	119 53.0	YE	52 06 07	1841	132	405	3.26	100.0	59	44
93.0	70.0	31 27.5	120 13.0	YE	52 06 07	2051	134	381	3.52	100.0	138	198
93.0	80.0	31 07.0	120 53.0	YE	52 06 08	0205	138	362	3.81	100.0	40	143
97.0	30.0	32 15.4	117 08.8	BD	52 06 10	1324	36	136	2.68	6.0	1	27
97.0	30.0	32 15.5	117 09.0	YE	52 06 09	1813	38	196	1.93	100.0	4	189
97.0	32.0	32 11.5	117 17.0	BD	52 06 10	1433	142	467	3.04	100.0	26	2
97.0	36.0	32 05.0	117 33.0	YE	52 06 09	1436	121	427	2.83	100.0	36	27
97.0	40.0	31 55.5	117 50.0	BD	52 06 10	1911	142	468	3.03	100.0	25	60
97.0	45.0	31 46.0	118 10.0	YE	52 06 09	0956	122	396	3.07	100.0	51	352
97.0	50.0	31 35.5	118 30.5	YE	52 06 11	0642	124	418	2.93	100.0	72	58
97.0	50.0	31 35.5	118 30.5	BD	52 06 11	1135	144	370	3.34	100.0	79	116
97.0	55.0	31 25.5	118 51.0	YE	52 06 09	0357	123	402	2.95	100.0	116	214
97.0	60.0	31 15.5	119 10.5	BD	52 06 07	1836	139	500	3.06	100.0	128	70
97.0	65.0	31 15.5	119 10.5	YE	52 06 08	2346	127	390	2.79	100.0	112	219
97.0	70.0	31 05.0	119 31.0	YE	52 06 08	2126	124	393	3.26	100.0	102	275
97.0	80.0	30 35.0	119 50.5	YE	52 06 08	1821	128	402	3.14	100.0	119	201
97.0	90.0	30 11.0	120 55.0	YE	52 06 08	1326	122	404	3.19	100.0	59	28
100.0	29.0	31 42.1	116 42.5	YE	52 06 08	0826	124	370	3.03	100.0	101	49
100.0	29.0	31 42.2	116 43.4	BD	52 06 09	0729	50	214	3.34	100.0	44	190
100.0	30.0	31 40.5	116 46.5	YE	52 06 10	0029	42	229	1.82	25.0	0	0
100.0	30.0	31 40.0	116 46.5	BD	52 06 09	0641	135	534	2.32	100.0	2	1
100.0	35.0	31 30.0	117 07.0	YE	52 06 09	1336	139	467	2.52	100.0	9	7
100.0	40.0	31 31.0	117 07.0	BD	52 06 10	0326	122	444	4.60	50.0	12	28
100.0	40.0	31 21.0	117 27.0	YE	52 06 10	0607	144	465	2.75	100.0	80	55
100.0	45.0	31 09.0	117 50.0	BD	52 06 10	2351	144	315	4.57	100.0	179	56
100.0	50.0	31 01.0	118 07.0	YE	52 06 10	0917	126	357	3.10	100.0	34	46
100.0	50.0	31 01.0	118 07.0	BD	52 06 11	1110	124	385	3.53	100.0	80	24
100.0	55.0	30 51.0	118 28.0	YE	52 06 10	0552	142	505	3.22	100.0	36	62
100.0	60.0	30 41.0	118 47.5	BD	52 06 10	1707	121	396	3.31	100.0	30	49
100.0	65.0	30 31.0	119 06.0	YE	52 06 10	2301	143	399	2.82	100.0	46	31
100.0	70.0	30 19.5	119 27.0	BD	52 06 07	2036	136	445	3.00	100.0	50	29
100.0	80.0	29 58.5	120 07.0	YE	52 06 10	2253	135	445	3.04	100.0	21	100
100.0	90.0	29 36.0	120 48.0	YE	52 06 11	0437	128	370	3.72	100.0	51	63
100.0	100.0	29 20.5	121 27.0	YE	52 06 11	1601	127	382	3.02	100.0	32	34
103.0	30.0	31 05.2	116 25.0	YE	52 06 13	0814	40	250	3.47	100.0	77	245
103.0	30.0	31 05.0	116 25.0	BD	52 06 08	2148	520	214	3.73	100.0	28	123
103.0	35.0	30 55.5	116 45.0	BD	52 06 08	1816	140	499	3.32	100.0	13	51
					52 06 08	2148	520	214	3.32	100.0	14	16
					52 06 08	1816	140	499	1.59	50.0	5	4
					52 06 08	1816	140	499	2.44	100.0	12	44

TABLE 1. (cont.)

CalCOFI Cruise 5206

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
103.0	35.0	30 55.5	116 45.0	YE	52 06 13	0506	113	483	2.34	100.0	34	5
103.0	40.0	30 45.5	117 05.5	BD	52 06 08	1526	144	509	2.83	100.0	6	5
103.0	50.0	30 25.0	117 45.0	BD	52 06 08	0910	142	501	2.82	100.0	24	60
103.0	55.0	30 16.0	118 05.0	YE	52 06 12	1952	133	352	3.77	100.0	35	2
103.0	60.0	30 06.0	118 25.5	BD	52 06 08	0346	138	494	2.80	100.0	40	88
103.0	65.0	29 56.5	118 45.5	YE	52 06 12	1357	130	356	3.66	100.0	43	89
103.0	70.0	29 48.5	119 04.0	YE	52 06 12	1015	125	397	3.15	100.0	86	37
103.0	75.0	29 36.0	119 26.0	YE	52 06 12	0726	122	420	2.91	100.0	41	222
103.0	80.0	29 25.0	119 52.0	YE	52 06 12	0337	134	359	3.73	100.0	85	88
103.0	90.0	29 06.0	120 25.0	YE	52 06 11	2205	138	558	2.48	100.0	61	200
107.0	32.0	30 25.5	116 10.5	CR	52 06 21	1235	138	393	3.51	100.0	3	12
107.0	35.0	30 16.0	116 22.5	CR	52 06 21	1031	134	419	3.21	100.0	29	102
107.0	40.0	30 08.0	116 42.0	CR	52 06 21	0746	140	450	3.10	100.0	32	162
107.0	45.0	29 58.5	117 04.0	CR	52 06 21	0406	138	423	3.27	100.0	93	100
107.0	50.0	29 50.0	117 24.0	CR	52 06 21	0141	141	466	3.02	100.0	44	135
107.0	55.0	29 41.8	117 43.0	CR	52 06 20	2231	139	460	3.03	100.0	49	159
107.0	60.0	29 33.0	118 04.0	CR	52 06 20	2011	137	461	2.97	100.0	31	323
107.0	65.0	29 23.5	118 25.0	CR	52 06 20	1651	152	424	3.59	100.0	36	159
107.0	70.0	29 14.0	118 44.0	CR	52 06 20	1431	142	420	3.38	100.0	28	140
107.0	80.0	28 54.3	119 22.5	CR	52 06 20	0911	142	477	2.97	100.0	39	261
110.0	33.0	29 50.5	115 52.0	CR	52 06 18	1634	42	218	1.93	100.0	13	6
110.0	35.0	29 46.5	116 00.0	CR	52 06 18	1851	130	478	2.73	100.0	16	190
110.0	40.0	29 36.5	116 19.5	CR	52 06 18	2216	142	438	3.25	100.0	49	48
110.0	45.0	29 26.0	116 39.0	CR	52 06 19	0026	145	411	2.61	100.0	29	204
110.0	50.0	29 17.0	117 00.0	CR	52 06 19	0406	141	390	3.62	100.0	192	183
110.0	55.0	29 05.2	117 18.0	CR	52 06 19	0626	145	392	3.71	100.0	48	47
110.0	60.0	28 54.0	117 38.0	CR	52 06 19	0936	140	432	3.24	100.0	24	155
110.0	65.0	28 43.6	117 57.0	CR	52 06 19	1156	138	368	3.74	100.0	63	182
110.0	70.0	28 36.0	118 18.0	CR	52 06 19	1446	143	400	3.56	100.0	95	175
110.0	80.0	28 15.0	118 58.0	CR	52 06 19	2011	139	448	3.10	100.0	152	607
110.0	90.0	27 57.0	119 36.0	CR	52 06 20	0121	141	422	3.35	100.0	145	245
113.0	30.0	29 25.0	115 20.0	CR	52 06 18	1134	46	232	1.98	100.0	49	154
113.0	35.0	29 13.2	115 38.0	CR	52 06 18	0921	133	482	2.76	100.0	4	14
113.0	40.0	29 02.0	115 58.0	CR	52 06 18	0646	136	423	3.23	100.0	28	210
113.0	45.0	28 52.0	116 18.0	CR	52 06 18	0336	145	406	3.57	100.0	28	48
113.0	50.0	28 42.0	116 38.0	CR	52 06 18	0107	149	378	3.94	100.0	64	6
113.0	55.0	28 32.2	116 51.2	CR	52 06 17	2146	139	429	3.24	100.0	75	221
113.0	60.0	28 22.0	117 17.0	CR	52 06 17	1926	147	451	3.25	100.0	89	49
113.0	65.0	28 12.0	117 35.8	CR	52 06 17	1616	138	429	3.23	100.0	39	223
113.0	70.0	28 02.0	117 55.0	CR	52 06 17	1356	135	462	2.93	100.0	124	263
117.0	26.0	28 55.3	114 42.3	CR	52 06 16	0844	48	257	1.87	100.0	214	836
117.0	30.0	28 48.0	114 56.5	CR	52 06 16	1048	55	343	1.60	100.0	23	167
117.0	35.0	28 33.1	116 35.2	CR	52 06 16	1356	138	374	3.71	100.0	18	76
117.0	40.0	28 28.0	115 37.0	CR	52 06 16	1606	131	445	2.95	100.0	15	8
117.0	45.0	28 18.1	115 55.0	CR	52 06 16	1811	138	434	3.18	100.0	21	5

TABLE 1. (cont.)

CalCOFI Cruise 5206

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	50.0	28 07.7	116 15.0	CR	52 06 16	2116	145	442	3.29	100.0	14	3
117.0	55.0	27 52.0	116 34.5	CR	52 06 17	0001	144	375	3.83	100.0	258	327
117.0	60.0	27 48.0	116 54.0	CR	52 06 17	0301	112	501	2.24	100.0	0	0
117.0	65.0	27 37.0	117 13.5	CR	52 06 17	0526	138	438	3.14	100.0	126	68
117.0	70.0	27 24.0	117 38.0	CR	52 06 17	0826	145	436	3.32	100.0	55	458
120.0	25.0	28 23.0	114 15.0	CR	52 06 16	0419	36	180	2.03	100.0	473	676
120.0	30.0	28 13.0	114 35.0	CR	52 06 16	0153	56	306	1.82	25.0	579	638
120.0	35.0	28 03.0	114 54.0	CR	52 06 15	2318	59	278	2.11	25.0	524	693
120.0	40.0	27 54.5	115 09.5	CR	52 06 15	1329	22	119	1.89	100.0	870	725
120.0	45.0	27 45.0	115 33.0	CR	52 06 15	1041	137	448	3.05	100.0	46	81
120.0	50.0	27 33.0	115 52.5	CR	52 06 15	0631	133	471	2.83	100.0	66	102
120.0	55.0	27 22.6	116 13.0	CR	52 06 15	0245	139	446	3.12	100.0	264	142
120.0	60.0	27 12.0	116 30.0	CR	52 06 15	0021	144	442	3.25	100.0	52	91
120.0	65.0	27 02.0	116 52.4	CR	52 06 14	2021	142	433	3.27	100.0	149	194
120.0	70.0	26 52.5	117 10.0	CR	52 06 14	1741	138	516	2.68	100.0	30	345
120.0	80.0	26 33.0	117 48.0	CR	52 06 14	1211	141	456	3.09	100.0	24	211
120.0	90.0	26 20.0	118 30.0	CR	52 06 14	0431	141	472	2.99	100.0	9	51
123.0	37.0	27 23.0	114 41.5	CR	52 06 12	2158	40	267	1.52	50.0	54	262
123.0	40.0	27 17.0	114 51.0	CR	52 06 13	0021	139	454	3.07	100.0	158	187
123.0	45.0	27 08.0	115 11.0	CR	52 06 13	0256	138	452	3.05	100.0	25	23
123.0	50.0	26 55.0	115 29.5	CR	52 06 13	0656	140	444	3.15	100.0	17	256
123.0	55.0	26 48.1	115 49.2	CR	52 06 13	0926	146	423	3.46	100.0	18	281
123.0	60.0	26 38.0	116 10.0	CR	52 06 13	1412	128	444	2.87	100.0	53	311
127.0	34.0	26 55.5	114 06.0	CR	52 06 11	2323	57	293	1.94	25.0	38	52
127.0	40.0	26 40.0	114 31.0	CR	52 06 11	1933	142	442	3.21	100.0	1	1
127.0	45.0	26 33.2	114 45.0	CR	52 06 11	1611	138	472	2.92	100.0	181	73
127.0	50.0	26 24.0	115 08.0	CR	52 06 11	1322	136	476	2.86	100.0	54	91
127.0	55.0	26 13.5	115 26.0	CR	52 06 11	1016	145	465	3.12	100.0	33	20
127.0	60.0	26 01.0	115 51.5	CR	52 06 11	0625	140	488	2.88	100.0	54	79
130.0	30.0	26 19.0	113 29.0	CR	52 06 10	0223	58	319	1.83	100.0	184	25
130.0	35.0	26 18.0	113 48.5	CR	52 06 10	0556	143	449	3.18	100.0	41	3
130.0	40.0	26 09.0	114 05.0	CR	52 06 10	0956	153	437	3.51	100.0	67	50
130.0	45.0	25 58.0	115 33.1	CR	52 06 10	1256	140	469	2.99	100.0	17	26
130.0	50.0	25 49.0	114 46.0	CR	52 06 10	1626	144	491	2.94	100.0	93	1360
130.0	55.0	25 30.0	115 07.5	CR	52 06 10	1906	137	474	2.90	100.0	90	71
130.0	60.0	25 28.5	115 24.0	CR	52 06 10	2326	141	558	2.52	100.0	276	149
133.0	25.0	26 01.0	112 48.5	CR	52 06 09	1738	65	284	2.29	50.0	1	0
133.0	30.0	25 51.5	113 06.0	CR	52 06 09	1457	140	454	3.09	50.0	165	119
133.0	35.0	25 40.0	113 30.5	CR	52 06 09	1116	124	563	2.20	100.0	19	21
133.0	40.0	25 30.0	113 50.0	CR	52 06 09	0846	151	502	3.01	100.0	76	37
133.0	45.0	25 24.5	114 02.0	CR	52 06 09	0516	147	480	3.06	100.0	44	570
137.0	23.0	25 35.0	112 18.8	CR	52 06 08	0319	36	226	1.60	50.0	105	644
137.0	30.0	25 20.0	112 46.0	CR	52 06 08	0732	153	414	3.69	100.0	1051	469
137.0	35.0	25 08.0	113 09.0	CR	52 06 08	1006	124	528	2.35	100.0	2	39
137.0	40.0	25 00.0	113 23.0	CR	52 06 08	1317	132	508	2.59	100.0	44	11

TABLE 1. (cont.)

CalCOFI Cruise 5206												
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
137.0	45.0	24 50.0	113 43.0	CR	52 06 08	1541	139	499	2.79	100.0	14	149
137.0	50.0	24 40.0	114 01.5	CR	52 06 08	1926	149	504	2.96	100.0	313	1922

TABLE 1. (cont.)

CalCOFI Cruise 5207

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
40.0	38.0	41 45.5	124 26.5	CR	52 07 14	1440	70	298	2.35	25.0	0	0
40.0	50.0	41 21.0	125 22.0	CR	52 07 14	0741	148	337	4.39	50.0	4	6
40.0	60.0	41 03.0	126 09.0	CR	52 07 14	0106	121	452	2.68	50.0	23	15
40.0	70.0	40 40.0	126 52.5	CR	52 07 13	1906	135	456	2.97	50.0	35	7
40.0	80.0	40 23.0	127 40.0	CR	52 07 13	1316	148	465	3.19	50.0	8	2
40.0	90.0	40 04.0	128 22.5	CR	52 07 13	0741	139	451	3.08	50.0	8	3
43.0	42.0	41 04.0	124 22.0	CR	52 07 14	1816	142	442	3.22	50.0	0	0
47.0	50.0	40 14.0	124 32.0	CR	52 07 15	1201	135	488	2.76	25.0	6	8
47.0	55.0	40 04.2	124 54.5	CR	52 07 15	0859	147	437	3.37	25.0	10	1
47.0	60.0	39 54.0	125 18.0	CR	52 07 15	0556	149	306	3.19	50.0	14	11
50.0	47.0	39 45.0	123 56.0	CR	52 07 15	1638	62	455	1.37	50.0	1	0
50.0	50.0	39 40.0	124 08.0	CR	52 07 15	1836	126	520	2.42	25.0	3	2
50.0	55.0	39 30.8	124 28.4	CR	52 07 15	2056	146	474	3.08	50.0	9	4
50.0	60.0	39 20.0	124 52.0	CR	52 07 16	0100	131	505	2.59	100.0	26	4
50.0	70.0	39 00.0	125 36.0	CR	52 07 16	0656	139	474	2.93	100.0	22	4
53.0	55.0	38 55.5	124 05.0	CR	52 07 12	0541	137	460	2.97	13.0	3	8
53.0	60.0	38 45.8	124 26.7	CR	52 07 12	0201	139	479	2.89	50.0	12	7
53.0	65.0	38 36.0	124 48.0	CR	52 07 11	2316	139	471	2.94	50.0	18	1
57.0	51.0	38 30.0	123 22.0	CR	52 07 11	0923	52	353	1.49	100.0	2	2
57.0	55.0	38 22.0	123 40.0	CR	52 07 11	1206	127	576	2.21	50.0	16	2
57.0	60.0	38 12.7	124 01.5	CR	52 07 11	1456	123	534	2.30	50.0	6	1
57.0	65.0	38 02.5	124 24.0	CR	52 07 11	1801	137	455	3.01	50.0	5	0
60.0	57.0	37 47.5	123 15.0	CR	52 07 18	0446	141	440	3.21	50.0	3	3
60.0	60.0	37 37.0	123 37.0	CR	52 07 18	0349	143	393	3.64	50.0	15	11
60.0	70.0	37 15.0	124 21.0	CR	52 07 17	2146	122	524	2.32	100.0	41	170
60.0	90.0	36 36.0	125 45.0	CR	52 07 17	1036	143	474	3.02	50.0	9	7
63.0	52.0	37 19.0	122 36.0	CR	52 07 19	1428	52	250	2.07	100.0	2	506
63.0	55.0	37 14.0	122 49.5	CR	52 07 19	1620	144	469	3.07	100.0	8	53
63.0	60.0	37 01.5	123 14.8	CR	52 07 19	1856	143	391	3.67	50.0	10	21
63.0	65.0	36 53.0	123 32.0	CR	52 07 19	2206	128	486	2.64	50.0	6	3
67.0	55.0	36 40.0	122 15.5	CR	52 07 20	0920	148	344	4.30	50.0	15	6
67.0	60.0	36 28.6	122 42.0	CR	52 07 20	0546	126	395	3.19	100.0	4	21
67.0	65.0	36 18.0	123 06.0	CR	52 07 20	0326	132	474	2.79	50.0	15	5
70.0	51.0	36 10.5	121 45.6	CR	52 07 20	1636	135	289	3.02	50.0	2	27
70.0	60.0	35 53.0	122 23.0	CR	52 07 20	2112	151	441	3.43	100.0	22	10
70.0	65.0	35 42.8	122 45.0	CR	52 07 20	2346	133	460	2.90	25.0	1	0
70.0	70.0	35 33.0	123 05.0	CR	52 07 21	0346	144	369	3.89	50.0	28	4
70.0	80.0	35 13.0	123 47.0	CR	52 07 21	0906	130	419	3.10	100.0	24	4
70.0	90.0	34 53.0	124 30.0	CR	52 07 21	1446	142	438	3.24	100.0	2	7
73.0	50.0	35 39.0	121 20.0	CR	52 07 10	1348	41	357	1.15	50.0	4	2
73.0	55.0	35 29.7	121 42.3	CR	52 07 10	1046	129	519	2.49	25.0	11	7
73.0	60.0	35 18.0	121 58.0	CR	52 07 10	0806	126	496	2.53	100.0	114	299
77.0	50.0	35 00.5	120 54.0	CR	52 07 09	1641	142	524	2.70	100.0	85	9
77.0	55.0	34 54.5	121 13.0	CR	52 07 09	1956	143	467	3.06	25.0	8	0
77.0	60.0	34 44.2	121 33.8	CR	52 07 09	2231	39	407	3.41	50.0	15	41

TABLE 1. (cont.)

CalCOFI Cruise 5207

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
77.0	65.0	34 34.0	121 55.0	CR	52 07 10	0201	145	440	3.30	50.0	49	127
80.0	51.0	34 25.0	120 32.5	CR	52 07 23	1003	69	355	1.95	100.0	4	1
80.0	55.0	34 19.0	120 48.0	CR	52 07 23	0812	139	375	3.70	100.0	5	2
80.0	60.0	34 03.0	121 05.0	CR	52 07 23	0520	128	367	3.48	25.0	5	5
80.0	65.0	33 54.0	121 27.0	CR	52 07 23	0219	138	406	2.54	25.0	3	8
80.0	70.0	33 43.0	121 52.0	CR	52 07 22	2341	136	467	2.92	100.0	28	2
80.0	80.0	33 25.0	122 35.0	CR	52 07 22	1656	141	422	3.34	100.0	9	13
80.0	90.0	33 09.0	123 14.0	CR	52 07 22	1106	103	553	1.87	100.0	6	13
80.0	100.0	32 49.0	123 54.0	CR	52 07 22	0546	138	425	3.24	100.0	8	68
85.0	38.0	34 01.5	119 02.5	SB	52 07 12	0543	59	245	2.41	100.0	15	15
85.0	40.0	35 57.0	119 11.0	SB	52 07 12	0411	118	450	2.63	100.0	18	55
85.0	45.0	33 46.4	119 30.7	SB	52 07 12	0041	137	469	2.92	100.0	49	49
85.0	50.0	33 35.5	119 50.5	SB	52 07 11	2221	125	484	2.58	25.0	3	3
85.0	55.0	33 25.0	120 13.0	SB	52 07 11	1926	144	447	3.21	50.0	14	1
85.0	60.0	33 18.5	120 26.0	SB	52 07 11	1741	132	440	3.00	25.0	2	0
85.0	70.0	33 55.6	121 11.1	SB	52 07 11	1231	130	476	2.72	100.0	44	27
85.0	80.0	32 39.0	121 53.0	SB	52 07 11	0821	120	468	2.57	100.0	38	25
85.0	90.0	32 17.0	122 37.0	SB	52 07 11	0356	140	431	3.24	50.0	20	51
90.0	28.0	33 28.0	117 47.0	SB	52 07 08	2141	133	467	2.86	50.0	29	19
90.0	30.0	33 24.5	117 56.4	SB	52 07 08	2316	136	445	3.07	100.0	386	8
90.0	37.0	33 10.9	118 23.5	SB	52 07 09	0330	134	500	2.68	100.0	115	58
90.0	45.0	32 54.5	118 56.0	SB	52 07 09	1651	136	440	3.08	100.0	5	7
90.0	53.0	32 40.0	119 31.0	SB	52 07 09	2116	135	446	3.02	50.0	51	31
90.0	60.0	32 25.0	119 57.5	SB	52 07 10	0105	135	499	2.71	100.0	41	24
90.0	70.0	32 00.5	120 42.8	SB	52 07 10	0706	124	487	2.55	100.0	16	48
90.0	80.0	31 47.0	121 19.0	SB	52 07 10	1106	140	444	3.15	100.0	19	47
90.0	90.0	31 25.5	121 59.6	SB	52 07 10	1606	131	446	2.95	100.0	9	8
93.0	27.0	31 06.8	122 39.0	SB	52 07 10	2036	134	468	2.86	100.0	62	33
93.0	30.0	32 55.6	117 19.4	SB	52 07 08	1708	67	242	2.76	100.0	5	60
93.0	35.0	32 48.0	117 31.0	SB	52 07 08	1515	138	496	2.78	100.0	28	49
93.0	40.0	32 39.0	117 50.5	SB	52 07 08	1146	143	457	3.14	100.0	11	15
93.0	45.0	32 30.0	118 13.0	SB	52 07 08	0921	138	483	2.86	100.0	36	92
93.0	50.0	32 19.8	118 33.0	SB	52 07 08	0611	118	510	2.31	50.0	54	64
93.0	55.0	32 10.0	118 53.2	SB	52 07 08	0350	132	510	2.58	50.0	81	93
93.0	60.0	32 00.0	119 14.5	SB	52 07 08	0030	134	444	3.02	50.0	154	226
93.0	65.0	31 50.0	119 34.0	SB	52 07 07	2156	130	472	2.75	50.0	54	54
93.0	70.0	31 29.0	120 14.4	SB	52 07 07	1716	141	456	3.09	100.0	66	78
93.0	80.0	31 10.0	120 54.0	SB	52 07 07	1231	134	474	2.82	100.0	82	425
93.0	90.0	30 50.0	121 36.0	SB	52 07 07	0756	137	470	2.92	100.0	48	43
97.0	30.0	32 15.4	117 08.8	SB	52 07 05	1918	34	176	1.95	100.0	9	509
97.0	32.0	32 11.5	117 17.0	SB	52 07 05	2136	145	424	3.42	100.0	21	18
97.0	40.0	31 55.5	117 49.0	SB	52 07 06	0125	141	461	3.05	100.0	142	379
97.0	45.0	31 45.3	118 10.0	SB	52 07 06	0401	131	444	2.96	50.0	192	789
97.0	50.0	31 35.0	118 30.2	SB	52 07 06	0651	137	417	3.27	100.0	460	155
97.0	55.0	31 25.0	118 50.0	SB	52 07 06	0906	130	486	2.68	100.0	140	340

TABLE 1. (cont.)

CalCOFI Cruise 5207												
Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	60.0	31 15.0	119 12.0	SB	52 07 06	1141	129	495	2.62	50.0	19	461
97.0	70.0	30 55.0	119 51.0	SB	52 07 06	1631	146	459	3.18	100.0	73	24
97.0	80.0	30 35.0	120 30.0	SB	52 07 06	2131	125	547	2.28	100.0	242	41
97.0	90.0	30 15.0	121 10.8	SB	52 07 07	0235	138	472	2.93	100.0	73	89
100.0	29.0	31 42.5	116 43.4	SB	52 07 05	1451	143	447	3.20	100.0	6	30
100.0	30.0	31 40.5	116 47.0	SB	52 07 05	1328	134	472	2.85	100.0	5	44
100.0	35.0	31 30.0	117 06.0	SB	52 07 05	0941	141	450	3.13	100.0	9	25
100.0	40.0	31 20.8	117 27.0	SB	52 07 05	0651	140	421	3.33	100.0	66	19
100.0	45.0	31 11.0	117 46.8	SB	52 07 05	0315	135	494	2.74	50.0	76	14
100.0	50.0	31 01.0	118 07.0	SB	52 07 05	0111	137	505	2.72	100.0	89	225
100.0	55.0	30 15.0	118 27.0	SB	52 07 04	2156	144	435	3.32	100.0	75	36
100.0	60.0	30 40.5	118 47.5	SB	52 07 04	1942	138	463	2.99	100.0	23	93
100.0	70.0	30 20.3	119 27.3	SB	52 07 04	1421	142	440	3.22	100.0	61	304
100.0	80.0	30 00.0	120 08.9	SB	52 07 04	0831	129	464	2.79	100.0	47	144
100.0	90.0	29 40.5	120 47.0	SB	52 07 04	0321	125	463	2.69	100.0	95	231
100.0	100.0	29 20.0	121 27.0	SB	52 07 03	2221	140	472	2.96	100.0	81	184
105.0	32.0	30 45.2	116 20.7	SB	52 07 02	0503	145	248	1.80	100.0	7	30
105.0	35.0	30 39.6	116 32.4	SB	52 07 02	0736	129	476	2.71	100.0	72	91
105.0	40.0	30 29.0	116 55.0	SB	52 07 02	1101	142	447	3.18	100.0	36	163
105.0	45.0	30 18.5	117 13.0	SB	52 07 02	1336	145	441	3.28	100.0	22	60
105.0	50.0	30 10.2	117 31.1	SB	52 07 02	1656	145	432	3.35	100.0	30	70
105.0	55.0	29 55.0	118 03.2	SB	52 07 02	1956	123	508	2.43	100.0	78	52
105.0	60.0	29 50.0	118 16.0	SB	52 07 02	2230	136	490	2.78	100.0	27	18
105.0	70.0	29 29.0	118 54.0	SB	52 07 03	0340	138	476	2.89	100.0	152	186
105.0	80.0	29 02.0	119 30.0	SB	52 07 03	0841	125	519	2.41	100.0	25	157
105.0	90.0	28 49.3	120 14.3	SB	52 07 03	1446	142	472	3.01	100.0	35	397
110.0	33.0	29 51.0	115 52.2	PT	52 07 09	0955	141	606	2.33	25.0	0	22
110.0	35.0	29 47.1	116 00.1	PT	52 07 09	1211	128	505	2.53	100.0	5	9
110.0	40.0	29 37.0	116 20.5	PT	52 07 09	1606	125	502	2.49	100.0	56	35
110.0	50.0	29 17.2	117 01.2	PT	52 07 09	2316	139	549	2.53	100.0	21	7
110.0	60.0	28 57.1	117 42.6	PT	52 07 10	0556	140	477	2.93	100.0	51	24
110.0	70.0	28 33.2	118 25.2	PT	52 07 10	1247	124	546	2.26	100.0	55	95
110.0	80.0	28 14.4	119 00.8	PT	52 07 10	1816	133	526	2.53	100.0	59	37
110.0	90.0	27 56.2	119 36.0	PT	52 07 11	0026	125	567	2.20	100.0	173	760
113.0	30.0	29 15.6	115 10.1	PT	52 07 12	1908	34	205	1.68	50.0	77	78
113.0	35.0	29 01.5	115 42.5	PT	52 07 12	1335	131	465	2.81	100.0	13	6
113.0	40.0	28 46.2	115 15.1	PT	52 07 12	0911	146	474	3.08	100.0	23	2
113.0	45.0	28 39.5	116 30.0	PT	52 07 12	0421	138	473	2.92	100.0	47	5
113.0	50.0	28 32.2	116 45.4	PT	52 07 12	0141	130	495	2.62	100.0	30	5
113.0	55.0	28 25.0	117 00.0	PT	52 07 11	2201	135	532	2.54	100.0	40	38
113.0	60.0	28 19.4	117 16.7	PT	52 07 11	1901	141	530	2.65	100.0	11	6
113.0	70.0	27 55.4	118 03.2	PT	52 07 11	1206	141	482	2.92	100.0	50	42
117.0	26.0	28 55.8	114 41.3	PT	52 07 12	2328	38	218	1.76	50.0	69	178
117.0	30.0	28 46.9	114 56.1	PT	52 07 13	0214	37	200	1.85	50.0	24	647
117.0	35.0	28 39.0	114 08.8	PT	52 07 13	0449	37	225	1.65	100.0	126	62

TABLE 1. (cont.)

CalCOFI Cruise 5207												
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	40.0	28 28.9	115 37.4	PT	52 07 13	0905	142	419	3.39	100.0	21	30
117.0	45.0	28 19.0	115 56.5	PT	52 07 13	1206	130	530	2.46	100.0	13	18
117.0	50.0	28 08.5	116 18.2	PT	52 07 13	1610	165	372	4.43	100.0	12	5
117.0	55.0	27 58.0	116 38.5	PT	52 07 13	1936	126	296	4.26	100.0	31	3
117.0	60.0	27 48.1	116 58.6	PT	52 07 13	2325	149	448	3.33	100.0	14	1
117.0	70.0	27 27.8	117 38.9	PT	52 07 14	0616	150	465	3.24	100.0	71	35
120.0	25.0	28 19.5	114 20.0	PT	52 07 16	1409	38	169	2.28	100.0	241	245
120.0	30.0	28 11.3	114 37.5	PT	52 07 16	1114	66	359	1.84	100.0	1158	685
120.0	35.0	28 03.2	114 54.0	PT	52 07 16	0813	52	328	1.59	100.0	183	1088
120.0	37.0	27 57.8	115 09.2	PT	52 07 16	0549	16	185	0.88	100.0	122	163
120.0	45.0	27 43.0	115 22.3	PT	52 07 16	0256	127	489	2.60	50.0	31	3
120.0	50.0	27 33.9	115 41.4	PT	52 07 15	2301	146	455	3.21	100.0	83	25
120.0	55.0	27 26.0	115 57.0	PT	52 07 15	1921	122	460	2.68	100.0	50	69
120.0	60.0	27 13.3	116 23.2	PT	52 07 15	1605	116	549	2.11	100.0	133	71
120.0	70.0	26 53.6	117 04.1	PT	52 07 15	0831	140	448	3.12	100.0	101	44
120.0	80.0	26 33.0	117 45.1	PT	52 07 15	0141	137	419	3.27	100.0	329	262
120.0	90.0	26 13.3	118 25.3	PT	52 07 14	1716	127	612	2.08	100.0	48	822
123.0	37.0	27 23.6	114 41.3	PT	52 07 17	0023	50	378	1.31	13.0	3	4
123.0	40.0	27 17.5	114 51.5	PT	52 07 17	0341	132	479	2.75	50.0	8	6
123.0	45.0	27 07.5	115 11.0	PT	52 07 17	0536	128	518	2.47	100.0	9	6
123.0	50.0	26 58.7	115 28.8	PT	52 07 17	0916	138	448	3.08	100.0	78	7009
123.0	60.0	26 38.8	116 05.2	PT	52 07 17	2316	141	459	3.07	100.0	18	38
127.0	34.0	26 54.3	114 08.3	PT	52 07 18	1507	51	352	1.46	50.0	0	7
127.0	40.0	26 40.3	114 31.3	PT	52 07 18	1041	148	453	3.26	100.0	14	22
127.0	45.0	26 31.0	114 49.5	PT	52 07 18	0641	135	470	2.88	100.0	35	15
127.0	50.0	26 20.9	115 07.6	PT	52 07 18	0436	142	426	3.33	100.0	29	81
127.0	60.0	26 03.2	115 45.8	PT	52 07 17	2111	138	446	3.09	100.0	341	13
130.0	30.0	26 29.0	113 29.0	PT	52 07 19	0229	27	256	1.06	100.0	15	856
130.0	35.0	26 19.0	113 48.3	PT	52 07 19	0841	134	504	2.67	100.0	2	36
130.0	40.0	26 08.7	114 08.8	PT	52 07 19	1256	138	474	2.90	100.0	58	61
130.0	45.0	24 58.5	114 28.0	PT	52 07 19	1541	127	515	2.47	100.0	64	80
130.0	50.0	24 48.6	114 47.7	PT	52 07 19	1946	135	487	2.77	100.0	346	54
130.0	60.0	24 28.1	115 26.0	PT	52 07 20	0226	134	482	2.79	100.0	91	269
133.0	30.0	25 45.0	113 21.8	PT	52 07 20	2321	135	461	2.93	100.0	26	62
133.0	35.0	25 37.2	113 38.0	PT	52 07 20	1941	122	531	2.29	100.0	6	5
133.0	40.0	25 29.0	113 54.0	PT	52 07 20	1656	114	540	2.10	100.0	31	3
133.0	45.0	25 21.0	114 10.5	PT	52 07 20	1311	126	513	2.46	100.0	35	111
133.0	50.0	25 13.2	114 26.5	PT	52 07 20	1010	141	465	3.03	100.0	129	117
137.0	23.0	25 34.2	112 17.8	PT	52 07 22	0324	30	333	0.90	13.0	35	11
137.0	30.0	25 20.0	112 45.5	PT	52 07 22	0744	41	294	1.38	100.0	41	97
137.0	35.0	25 10.0	113 04.2	PT	52 07 22	1016	117	523	2.23	100.0	14	8
137.0	40.0	25 00.0	113 23.0	PT	52 07 22	1351	120	512	2.34	100.0	5	5
137.0	45.0	24 50.8	113 40.1	PT	52 07 22	1631	109	535	2.05	100.0	13	15
137.0	50.0	24 39.6	114 01.0	PT	52 07 22	2021	126	506	2.49	100.0	115	176

TABLE 1. (cont.)

CalCOFI Cruise 5208												
Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	55.0	37 46.5	123 11.5	BD	52 08 19	0753	74	247	2.99	100.0	1	191
63.0	52.0	37 19.0	122 36.2	BD	52 08 18	1858	56	218	2.59	100.0	0	135
63.0	55.0	37 14.0	122 49.5	BD	52 08 18	2056	140	426	3.29	100.0	10	8
67.0	50.0	36 49.0	122 04.6	BD	52 08 18	1228	57	197	2.92	100.0	1	110
67.0	55.0	36 39.0	122 26.0	BD	52 08 18	0841	142	460	3.09	100.0	29	22
67.0	65.0	36 19.0	123 09.0	BD	52 08 18	0106	146	443	3.29	100.0	27	252
70.0	51.0	36 10.4	121 45.7	BD	52 08 16	0131	140	509	2.74	25.0	3	2
70.0	60.0	35 53.0	122 23.0	BD	52 08 16	2216	142	480	2.96	50.0	15	11
70.0	70.0	35 33.0	123 06.0	BD	52 08 17	0456	142	452	3.15	50.0	17	12
70.0	80.0	35 13.0	123 48.0	BD	52 08 17	1026	132	504	2.62	100.0	6	10
73.0	50.0	35 37.0	121 16.6	BD	52 08 15	1118	56	217	2.60	100.0	2	6
73.0	60.0	35 18.0	121 58.4	BD	52 08 15	1656	138	484	2.85	13.0	1	10
77.0	50.0	35 04.4	120 52.0	BD	52 08 15	0543	69	266	2.59	100.0	2	3
77.0	55.0	34 54.5	121 13.0	BD	52 08 15	0121	142	458	3.10	100.0	16	9
77.0	65.0	34 34.0	121 55.0	BD	52 08 14	1601	143	457	3.14	13.0	2	0
80.0	51.0	34 26.5	120 32.5	BD	52 08 12	0743	58	198	2.91	100.0	0	0
80.0	55.0	34 19.0	120 48.0	BD	52 08 12	1010	139	483	2.88	50.0	5	11
80.0	60.0	34 09.0	121 09.0	BD	52 08 12	1401	141	430	3.29	50.0	13	16
80.0	70.0	33 49.0	121 51.0	BD	52 08 12	2216	142	480	2.95	100.0	10	17
80.0	80.0	33 29.0	122 32.0	BD	52 08 13	0451	139	489	2.85	100.0	57	13
80.0	90.0	33 09.0	123 12.0	BD	52 08 13	1446	143	468	3.06	100.0	13	26
80.0	100.0	32 49.0	123 54.0	BD	52 08 13	1925	138	514	2.69	100.0	89	33
85.0	38.0	34 01.0	119 02.3	BD	52 08 11	2108	58	206	2.82	100.0	40	5
85.0	40.0	33 57.0	119 10.5	BD	52 08 11	1756	133	506	2.62	100.0	11	0
85.0	50.0	33 37.0	119 52.0	BD	52 08 11	1140	143	462	3.10	100.0	7	1
85.0	60.0	33 13.0	120 33.0	BD	52 08 11	0326	142	498	2.84	25.0	7	18
90.0	28.0	33 28.5	117 46.7	BD	52 08 09	0908	68	282	2.40	100.0	37	502
90.0	30.0	33 24.5	117 55.0	BD	52 08 09	1036	142	502	2.84	100.0	38	35
90.0	37.0	33 11.0	118 23.5	BD	52 08 09	1606	138	505	2.73	100.0	14	71
90.0	45.0	32 54.5	118 56.0	BD	52 08 09	2146	142	492	2.90	25.0	3	0
90.0	53.0	32 38.5	119 29.0	BD	52 08 10	0301	137	473	2.89	50.0	12	17
90.0	60.0	32 25.0	119 57.5	BD	52 08 10	0826	142	499	2.85	100.0	16	15
90.0	70.0	32 04.5	120 39.0	BD	52 08 10	1456	141	515	2.73	100.0	8	10
93.0	27.0	32 56.0	117 19.2	BD	52 08 09	0311	136	533	2.56	100.0	75	67
93.0	30.0	32 50.0	117 31.5	BD	52 08 09	0001	129	547	2.35	100.0	35	3
93.0	40.0	32 30.0	118 12.5	BD	52 08 08	1756	138	531	2.60	100.0	14	7
93.0	50.0	32 10.0	118 53.5	BD	52 08 08	1156	142	518	2.75	100.0	24	203
97.0	30.0	32 15.4	117 08.8	BD	52 08 07	1509	42	249	1.69	50.0	6	270
97.0	32.0	32 11.5	117 17.0	BD	52 08 07	1726	133	527	2.53	100.0	39	5
97.0	40.0	31 55.5	117 50.0	BD	52 08 07	2311	144	504	2.86	50.0	158	3
97.0	50.0	31 35.5	118 30.5	BD	52 08 08	0601	144	510	2.76	100.0	95	97
100.0	29.0	31 42.0	116 43.5	CR	52 08 08	1856	71	314	2.27	100.0	6	246
100.0	30.0	31 40.5	116 46.5	CR	52 08 08	2046	131	479	2.72	100.0	10	329
100.0	40.0	31 21.0	117 27.0	CR	52 08 09	0221	123	530	2.32	100.0	69	40
100.0	50.0	31 00.0	118 07.0	CR	52 08 09	0718	118	472	2.51	100.0	46	24

TABLE 1. (cont.)

CalCOFI Cruise 5208

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	60.0	30 37.0	118 48.5	CR	52 08 09	1226	141	453	3.11	100.0	52	171
100.0	70.0	30 18.0	119 26.0	CR	52 08 09	1707	148	367	4.04	100.0	35	52
100.0	80.0	30 01.0	120 07.0	CR	52 08 09	2256	108	492	2.20	100.0	80	209
103.0	30.0	31 05.0	116 25.0	CR	52 08 11	0118	58	109	3.07	50.0	16	31
103.0	35.0	30 53.0	116 42.2	CR	52 08 10	0118	131	471	2.74	100.0	50	5
103.0	40.0	30 43.0	117 04.0	CR	52 08 10	1932	131	479	2.96	50.0	39	6
107.0	32.0	30 25.5	116 11.0	CR	52 08 11	0621	130	438	2.96	100.0	35	76
107.0	35.0	30 20.0	116 20.0	CR	52 08 11	0911	131	463	2.84	100.0	15	5
107.0	40.0	30 10.5	116 43.5	CR	52 08 11	1231	143	367	3.89	100.0	14	11
110.0	33.0	29 50.5	115 52.0	CR	52 08 12	1543	36	160	2.26	100.0	15	289
110.0	35.0	29 46.5	116 00.0	CR	52 08 12	1356	129	412	3.13	100.0	5	147
110.0	40.0	29 36.5	116 19.5	CR	52 08 12	1011	143	413	3.46	100.0	8	2
110.0	50.0	29 17.0	116 59.0	CR	52 08 12	0506	137	442	3.10	100.0	13	7
110.0	60.0	28 56.0	117 39.0	CR	52 08 11	2341	138	382	3.61	100.0	29	50
113.0	30.0	29 22.5	115 18.0	CR	52 08 12	2014	39	123	3.14	50.0	29	151
113.0	30.0	29 22.3	115 17.3	SB	52 08 12	0550	34	162	2.09	100.0	3	223
113.0	35.0	29 12.0	115 39.0	SB	52 08 12	0837	125	487	2.57	100.0	17	4
115.0	26.0	29 11.2	115 58.0	CR	52 08 13	0141	143	389	3.67	100.0	14	3
115.0	30.0	29 05.2	114 55.8	SB	52 08 12	1755	30	142	2.08	100.0	371	232
115.0	35.0	28 55.0	115 07.7	SB	52 08 12	1444	65	262	2.48	50.0	18	239
117.0	26.0	28 56.0	114 41.0	SB	52 08 12	2020	40	176	2.24	50.0	18	124
117.0	30.0	28 47.0	114 55.5	CR	52 08 13	1048	54	196	2.75	100.0	187	247
117.0	35.0	28 38.0	115 16.0	CR	52 08 13	0254	62	246	2.44	100.0	48	430
117.0	40.0	28 28.0	115 35.5	CR	52 08 13	0602	143	146	2.41	100.0	134	173
118.0	33.0	28 27.0	115 05.0	SB	52 08 14	0740	126	413	2.34	100.0	43	89
118.0	35.0	28 24.6	115 08.1	SB	52 08 17	0804	78	458	3.46	100.0	34	117
118.5	25.0	28 41.0	114 26.7	SB	52 08 14	0434	68	237	2.76	50.0	16	29
118.5	30.0	28 29.0	114 42.0	SB	52 08 13	1410	32	228	3.27	100.0	7	23
118.5	35.0	28 20.5	115 04.0	SB	52 08 13	0809	65	225	2.98	100.0	88	65
119.0	33.0	28 17.0	114 53.9	SB	52 08 17	0605	56	258	2.62	50.0	239	231
119.0	42.0	28 00.0	115 29.2	SB	52 08 14	1133	53	272	3.02	100.0	105	540
120.0	25.0	28 23.0	114 15.0	CR	52 08 13	1814	47	121	2.19	25.0	230	443
120.0	30.0	28 13.0	114 14.9	SB	52 08 13	1816	34	133	1.96	100.0	257	443
120.0	35.0	28 02.3	114 54.2	SB	52 08 14	0127	58	159	3.91	100.0	64	316
120.0	43.0	27 49.4	115 27.0	SB	52 08 14	2326	65	225	2.54	100.0	396	472
120.0	45.0	27 33.5	115 33.0	CR	52 08 15	0231	137	464	2.22	100.0	251	467
120.0	60.0	27 16.0	116 31.5	CR	52 08 15	0732	121	461	1.82	50.0	180	465
120.0	70.0	26 54.0	117 10.0	CR	52 08 15	1126	147	423	2.36	100.0	121	324
									2.53	100.0	46	287
									3.71	100.0	36	156
									2.96	100.0	53	27
									2.64	100.0	21	9
									3.48	100.0	44	152

TABLE 1. (cont.)

CalCOFI Cruise 5208

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	80.0	26 33.0	117 48.0	CR	52 08 15	1626	143	426	3.36	25.0	3	4
120.0	90.0	26 12.5	118 27.0	CR	52 08 15	2041	147	430	3.41	100.0	123	22
121.0	30.0	28 01.0	114 27.0	SB	52 08 16	2256	25	129	1.96	100.0	285	460
121.0	30.0	28 10.0	114 28.0	SB	52 08 13	2222	37	122	3.05	50.0	285	460
121.0	34.0	27 54.7	114 44.7	SB	52 08 17	0035	32	160	2.01	100.0	36	317
121.0	41.0	27 40.5	115 10.5	SB	52 08 14	1600	29	156	1.84	100.0	10	23
121.3	26.0	28 09.6	114 11.3	SB	52 08 16	2110	8	39	2.04	100.0	12	164
121.5	28.0	28 02.6	114 16.1	CR	52 08 16	1022	12	79	1.53	100.0	27	1102
123.0	37.0	27 24.0	114 40.0	CR	52 08 16	1744	38	164	2.34	100.0	2	46
123.0	40.0	27 18.0	114 51.5	CR	52 08 16	1556	138	422	3.27	100.0	9	120
123.0	50.0	26 58.0	115 31.0	CR	52 08 16	1111	135	449	3.00	100.0	23	28
127.0	34.0	26 55.0	114 06.0	CR	52 08 16	2244	35	157	2.23	100.0	55	1240
127.0	40.0	26 43.5	114 29.5	CR	52 08 17	0156	131	458	2.85	100.0	14	28
127.0	50.0	26 23.0	115 08.0	CR	52 08 17	0646	133	447	2.98	100.0	18	16
130.0	30.0	26 22.0	113 31.0	CR	52 08 18	0603	48	188	2.56	50.0	19	934
130.0	35.0	26 15.0	113 48.0	CR	52 08 18	0321	134	415	3.22	100.0	25	61
130.0	40.0	26 07.0	114 06.0	CR	52 08 18	0001	138	480	2.87	100.0	102	26
130.0	50.0	25 49.0	114 46.0	CR	52 08 17	1756	140	433	3.24	100.0	32	28
130.0	60.0	25 28.5	115 24.0	CR	52 08 17	1326	133	475	2.81	100.0	12	75
133.0	25.0	26 04.5	112 48.0	CR	52 08 18	1028	32	196	1.65	50.0	72	16
133.0	30.0	25 54.5	113 07.5	CR	52 08 18	1301	138	436	3.15	25.0	1	12
137.0	23.0	25 34.0	112 18.5	CR	52 08 18	2018	59	156	3.80	50.0	95	214
137.0	30.0	25 20.0	112 45.5	CR	52 08 18	1731	148	399	3.70	25.0	2	14

TABLE 1. (cont.)

CalCOFI Cruise 5209

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	55.0	37 48.8	123 14.4	PT	52 09 17	0218	63	391	1.62	50.0	3	2
60.0	60.0	37 38.0	123 36.5	PT	52 09 17	0815	137	550	2.49	100.0	2	18
60.0	70.0	37 19.8	124 20.0	PT	52 09 17	1516	112	571	1.97	100.0	4	45
60.0	80.0	37 01.5	125 01.0	PT	52 09 17	2116	104	641	1.62	50.0	12	9
60.0	90.0	36 37.5	125 47.0	PT	52 09 18	0446	131	445	2.96	100.0	9	2
60.0	100.0	36 16.5	126 29.5	PT	52 09 18	1026	128	576	2.22	100.0	4	5
60.0	110.0	35 55.5	126 11.0	PT	52 09 18	1756	135	537	2.51	100.0	11	17
63.0	52.0	37 18.0	122 35.4	PT	52 09 15	0723	31	281	1.10	100.0	11	747
63.0	55.0	37 16.7	122 48.8	PT	52 09 15	0916	77	510	1.51	100.0	12	466
67.0	50.0	36 49.0	122 04.5	PT	52 09 15	0048	67	425	1.57	100.0	13	357
67.0	55.0	36 39.0	122 25.5	PT	52 09 14	2146	118	527	2.23	50.0	13	6
67.0	65.0	36 19.0	123 09.0	PT	52 09 14	1541	107	512	2.09	6.0	3	1
70.0	51.0	36 10.5	121 45.6	PT	52 09 13	1107	56	533	1.04	100.0	0	0
70.0	60.0	35 55.0	122 25.0	PT	52 09 13	1555	128	531	2.41	50.0	3	5
70.0	70.0	35 38.5	123 06.0	PT	52 09 13	2306	125	521	2.40	100.0	13	9
70.0	80.0	35 14.8	123 47.5	PT	52 09 14	0436	114	435	2.61	100.0	10	2
73.0	50.0	35 36.8	121 16.5	PT	52 09 12	1808	43	342	1.27	25.0	0	0
73.0	60.0	35 10.8	122 00.5	PT	52 09 13	0011	120	511	2.35	13.0	1	2
77.0	50.0	35 04.4	120 51.8	PT	52 09 12	1138	63	480	1.32	100.0	0	1
77.0	55.0	34 46.5	121 05.0	PT	52 09 12	0611	133	424	3.15	13.0	0	0
77.0	65.0	34 30.5	121 52.5	PT	52 09 11	2256	153	471	3.25	100.0	48	0
80.0	51.0	34 26.0	120 32.8	PT	52 09 09	1728	41	328	1.26	100.0	1	24
80.0	55.0	34 18.0	120 50.0	PT	52 09 09	1936	142	462	3.07	100.0	18	3
80.0	60.0	34 07.0	121 12.0	PT	52 09 10	0036	155	435	3.56	100.0	34	4
80.0	70.0	33 45.1	121 55.5	PT	52 09 10	0726	147	516	2.85	100.0	6	7
80.0	80.0	33 23.9	122 37.5	PT	52 09 10	1406	148	486	3.05	100.0	7	6
80.0	90.0	33 09.0	123 13.0	PT	52 09 10	1956	145	476	3.04	100.0	46	4
80.0	100.0	32 49.2	123 51.5	PT	52 09 11	0241	145	470	3.09	100.0	23	21
85.0	38.0	34 00.4	119 02.2	PT	52 09 08	1327	42	372	1.12	100.0	54	50
85.0	40.0	33 55.8	119 09.6	PT	52 09 08	1056	135	504	2.69	100.0	27	8
85.0	50.0	33 36.8	119 52.0	PT	52 09 08	0516	123	527	2.33	100.0	122	1
85.0	60.0	33 19.0	120 33.5	PT	52 09 07	2026	135	480	2.82	100.0	26	4
85.0	70.0	33 08.2	117 47.0	PT	52 09 05	2201	128	553	2.32	100.0	35	20
90.0	28.0	33 28.2	117 55.3	PT	52 09 06	0106	132	515	2.56	100.0	44	310
90.0	30.0	33 24.4	117 22.5	PT	52 09 06	0511	142	518	2.75	100.0	11	89
90.0	37.0	33 09.5	118 22.5	PT	52 09 06	0511	142	518	2.75	100.0	7	0
90.0	45.0	32 54.0	119 01.0	PT	52 09 06	1056	124	525	2.36	100.0	7	8
90.0	53.0	32 38.3	119 57.0	PT	52 09 06	1646	139	484	2.87	100.0	7	12
90.0	60.0	32 23.0	119 39.5	PT	52 09 06	2316	147	493	2.99	100.0	20	12
90.0	70.0	32 01.0	120 39.5	PT	52 09 07	0646	143	535	2.68	100.0	1	0
93.0	27.0	32 55.7	117 18.7	PT	52 09 05	1238	34	416	0.81	100.0	44	246
93.0	30.0	32 50.4	117 23.2	PT	52 09 05	1006	129	575	2.25	100.0	24	583
93.0	40.0	32 29.0	118 06.8	PT	52 09 05	0236	142	468	3.03	100.0	69	22
93.0	50.0	32 05.5	118 51.5	PT	52 09 04	2005	137	542	2.53	100.0	25	37
97.0	30.0	32 15.0	117 09.2	PT	52 09 03	1858	38	382	0.99	100.0	41	947
97.0	32.0	32 11.2	117 17.2	PT	52 09 03	2254	125	613	2.04	100.0	208	30

TABLE 1. (cont.)

CalCOFI Cruise 5209

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	40.0	31 52.8	117 51.0	PT	52 09 04	0516	121	637	1.91	50.0	105	57
97.0	50.0	31 30.2	118 32.1	PT	52 09 04	1211	144	507	2.85	100.0	11	7
100.0	29.0	31 42.2	116 43.5	CR	52 09 03	2033	67	284	2.37	100.0	45	41
100.0	30.0	31 40.5	116 46.7	CR	52 09 03	2216	116	548	2.12	50.0	38	80
100.0	40.0	31 21.0	117 27.0	CR	52 09 04	0901	140	471	2.97	100.0	40	30
100.0	50.0	31 01.0	118 07.0	CR	52 09 04	0941	141	456	3.09	100.0	6	6
100.0	60.0	30 41.0	118 48.0	CR	52 09 04	1521	143	504	2.83	100.0	23	20
100.0	70.0	30 21.0	119 27.0	CR	52 09 04	2136	134	506	2.64	100.0	66	57
100.0	80.0	30 01.0	120 07.0	CR	52 09 05	0346	143	445	3.22	100.0	24	59
103.0	30.0	31 05.0	116 25.0	CR	52 09 06	0548	49	237	2.06	50.0	57	77
103.0	35.0	30 57.0	116 46.0	CR	52 09 06	0301	149	434	3.44	100.0	16	20
103.0	40.0	30 48.5	117 07.5	CR	52 09 05	2251	139	488	2.85	100.0	23	1
107.0	32.0	30 25.8	116 11.0	CR	52 09 06	1056	134	481	2.79	50.0	34	246
107.0	35.0	30 20.0	116 23.0	CR	52 09 06	1321	150	418	3.59	100.0	12	4
107.0	40.0	30 11.0	116 43.0	CR	52 09 06	1641	141	460	3.07	100.0	10	1
110.0	33.0	29 50.5	115 52.5	CR	52 09 07	1627	61	196	3.13	100.0	4	274
110.0	35.0	29 46.5	116 00.0	CR	52 09 07	1426	131	487	2.70	100.0	4	0
110.0	40.0	29 34.5	116 21.4	CR	52 09 07	1131	146	433	3.38	100.0	15	12
110.0	50.0	29 17.5	117 02.5	CR	52 09 07	0721	136	479	2.85	100.0	107	33
113.0	30.0	29 22.5	115 17.7	CR	52 09 07	0111	140	478	2.93	100.0	58	40
113.0	40.0	29 02.0	115 58.5	CR	52 09 08	0146	143	436	2.41	50.0	417	38
117.0	26.0	28 56.0	114 41.0	CR	52 09 08	1043	64	251	2.80	100.0	58	11
117.0	30.0	28 49.0	114 35.5	CR	52 09 08	0626	143	431	3.31	100.0	89	521
120.0	25.0	28 23.0	114 34.0	CR	52 09 08	2053	28	206	1.34	100.0	392	485
120.0	30.0	28 13.0	114 14.5	CR	52 09 08	0003	45	229	1.97	100.0	17	214
120.0	35.0	28 02.0	114 58.0	CR	52 09 09	0328	34	154	2.21	100.0	30	43
120.0	45.0	27 43.0	115 33.0	CR	52 09 09	1645	150	482	3.11	100.0	142	165
120.0	50.0	27 32.5	115 53.0	CR	52 09 09	0216	138	441	3.16	100.0	10	701
120.0	60.0	27 13.0	117 10.5	CR	52 09 10	0731	153	412	3.71	100.0	4	0
120.0	70.0	26 52.0	117 49.0	CR	52 09 10	1311	141	461	3.06	100.0	65	1
120.0	80.0	26 32.0	118 28.0	CR	52 09 10	1841	152	461	3.29	13.0	23	18
120.0	90.0	26 13.0	114 40.0	CR	52 09 11	1924	34	139	2.45	25.0	15	44
123.0	37.0	27 15.0	114 47.0	CR	52 09 11	1756	150	488	3.06	100.0	205	132
123.0	40.0	27 01.0	115 31.5	CR	52 09 11	1256	130	506	3.44	100.0	133	687
127.0	34.0	26 55.3	114 06.0	CR	52 09 11	2328	61	178	3.28	100.0	230	1922
127.0	40.0	26 43.5	114 29.5	CR	52 09 12	0321	137	470	2.92	100.0	3	6
127.0	50.0	26 23.0	115 10.0	CR	52 09 12	0831	145	443	2.49	100.0	400	321
130.0	30.0	26 29.0	113 29.0	CR	52 09 13	0653	51	203	2.76	100.0	53	16
130.0	35.0	26 14.0	113 45.5	CR	52 09 13	0418	69	250	2.92	100.0	37	116
130.0	40.0	26 06.0	114 05.5	CR	52 09 13	0136	136	466	2.92	100.0	114	141
130.0	50.0	25 49.0	114 46.0	CR	52 09 12	1951	151	423	3.56	100.0	163	4
130.0	60.0	25 29.0	115 24.0	CR	52 09 12	1441	142	452	3.14	100.0	64	16
											31	22

TABLE 1. (cont.)

CalCOFI Cruise 5209												
Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	25.0	26 04.5	112 47.0	CR	52 09 13	1104	30	130	2.27	100.0	11	130
133.0	30.0	25 54.5	113 07.5	CR	52 09 13	1316	141	443	3.19	25.0	9	8
137.0	23.0	25 34.5	112 19.0	CR	52 09 13	2044	25	150	1.69	100.0	312	2767
137.0	30.0	25 23.0	112 47.5	CR	52 09 13	1737	136	438	3.12	100.0	12	1

TABLE 1. (cont.)

CalCOFI Cruise 5210

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	55.0	37 47.5	123 16.0	CR	52 10 19	1213	64	296	2.16	50.0	10	21
60.0	60.0	37 37.8	123 37.8	CR	52 10 19	0921	129	523	2.47	50.0	4	10
60.0	70.0	37 19.5	124 23.0	CR	52 10 19	0326	134	540	2.48	50.0	19	2
60.0	80.0	37 04.5	125 07.0	CR	52 10 18	2156	131	474	2.77	100.0	8	0
60.0	90.0	36 46.0	125 46.0	CR	52 10 18	1711	125	519	2.40	100.0	3	8
60.0	100.0	36 27.0	126 30.0	CR	52 10 18	1211	144	518	2.78	100.0	6	2
60.0	110.0	36 12.0	127 07.0	CR	52 10 18	0801	130	521	2.49	100.0	4	0
63.0	52.0	37 19.0	122 36.0	CR	52 10 19	1658	67	279	2.41	100.0	4	30
63.0	55.0	37 14.0	122 50.5	CR	52 10 19	1901	144	516	2.78	50.0	24	1
67.0	55.0	36 39.0	122 26.0	CR	52 10 19	2331	146	420	3.49	50.0	30	7
67.0	65.0	36 19.0	123 09.0	CR	52 10 20	0416	143	463	3.09	25.0	12	2
70.0	60.0	35 52.0	122 23.0	CR	52 10 20	2231	144	494	2.92	50.0	10	9
70.0	70.0	35 33.0	123 06.0	CR	52 10 20	1636	144	494	2.91	100.0	13	3
70.0	80.0	35 17.0	123 46.0	CR	52 10 20	1136	141	461	3.06	100.0	4	10
73.0	50.0	35 36.5	121 17.6	CR	52 10 21	0822	0	391	2.75	100.0	14	0
73.0	60.0	35 18.0	121 58.0	CR	52 10 21	0311	137	438	3.12	50.0	38	4
77.0	55.0	34 53.3	112 11.9	CR	52 10 21	1256	152	468	3.25	50.0	9	14
77.0	65.0	34 34.0	121 55.0	CR	52 10 21	1741	149	468	3.18	100.0	10	4
80.0	51.0	34 26.5	120 32.5	CR	52 10 15	1314	82	237	3.48	100.0	0	0
80.0	55.0	34 19.0	120 48.0	CR	52 10 15	1541	148	488	3.04	100.0	84	71
80.0	60.0	34 09.0	121 09.0	CR	52 10 15	1916	141	547	2.58	100.0	36	9
80.0	70.0	33 49.0	121 51.0	CR	52 10 16	0031	146	515	2.83	100.0	7	5
80.0	80.0	33 29.0	122 33.0	CR	52 10 16	0606	141	568	2.48	100.0	24	29
80.0	90.0	33 09.0	123 13.0	CR	52 10 16	1616	139	482	3.07	100.0	3	0
80.0	100.0	32 48.0	123 54.0	CR	52 10 14	1643	78	400	1.95	100.0	23	5
85.0	38.0	34 00.5	119 02.5	CR	52 10 14	1827	151	447	3.38	100.0	32	7
85.0	40.0	33 54.0	119 10.5	CR	52 10 14	2302	111	342	3.26	50.0	19	2
85.0	50.0	33 40.0	119 54.2	CR	52 10 15	0446	147	492	2.99	100.0	14	6
85.0	60.0	33 17.5	120 33.0	CR	52 10 14	0906	141	473	2.97	100.0	43	171
90.0	28.0	33 29.4	117 47.0	CR	52 10 14	0737	153	432	3.54	100.0	1	4
90.0	30.0	33 25.5	117 55.0	CR	52 10 13	1331	135	397	3.41	100.0	8	4
90.0	45.0	32 54.5	118 56.0	CR	52 10 13	0856	141	475	2.97	100.0	6	1
90.0	53.0	32 38.5	119 29.0	CR	52 10 13	0510	130	573	2.28	100.0	14	1
90.0	60.0	32 28.0	119 51.0	CR	52 10 13	0510	136	498	2.74	100.0	9	5
90.0	70.0	32 04.0	120 40.0	CR	52 10 12	2251	132	490	2.82	100.0	24	9
93.0	27.0	32 55.0	117 21.0	CR	52 10 11	2246	138	580	2.27	100.0	13	3
93.0	30.0	32 49.5	117 32.5	CR	52 10 12	0150	132	537	2.63	100.0	7	4
93.0	40.0	32 30.0	118 12.0	CR	52 10 12	0651	141	444	3.32	100.0	0	2
93.0	50.0	32 11.0	118 53.0	CR	52 10 12	1156	147	452	3.18	100.0	40	2
97.0	32.0	32 11.0	117 18.5	CR	52 10 10	0600	144	436	3.19	100.0	120	9
97.0	40.0	31 55.0	117 50.0	CR	52 10 10	0025	139	480	2.95	100.0	17	1
97.0	50.0	31 35.0	118 30.0	CR	52 10 09	2111	148	381	3.89	100.0	20	54
100.0	29.0	31 42.0	116 45.7	CR	52 10 07	2228	73	260	2.80	100.0	37	38
100.0	30.0	31 40.0	116 46.5	CR	52 10 07	0454	133	626	2.13	100.0	16	0
100.0	40.0	31 19.0	117 26.0	CR	52 10 08							

TABLE 1. (cont.)

CalCOFI Cruise 5210

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	50.0	31 01.0	118 07.0	CR	52 10 08	1031	141	448	3.15	100.0	56	2
100.0	60.0	30 41.0	118 47.5	CR	52 10 08	1646	142	482	2.95	100.0	9	10
100.0	70.0	30 20.5	119 27.0	CR	52 10 08	2211	138	422	3.26	100.0	236	26
100.0	80.0	30 01.5	120 07.0	CR	52 10 09	0426	126	504	2.50	100.0	70	22
103.0	30.0	31 04.2	116 25.0	PT	52 10 08	1404	135	590	1.87	50.0	9	493
103.0	35.0	30 53.8	116 47.5	PT	52 10 08	0931	120	544	2.20	100.0	27	1
103.0	40.0	30 45.9	117 06.2	PT	52 10 08	0424	31	165	2.29	100.0	41	3
107.0	32.0	30 26.1	116 11.7	PT	52 10 08	1923	39	199	1.95	100.0	56	298
107.0	35.0	30 18.0	116 23.5	PT	52 10 08	2211	130	482	2.69	100.0	68	11
110.0	33.0	29 48.5	115 51.0	PT	52 10 10	0928	40	194	2.06	100.0	13	189
110.0	35.0	29 42.1	115 55.5	PT	52 10 10	0740	58	339	1.71	100.0	42	9
110.0	40.0	29 33.0	116 16.0	PT	52 10 10	0346	127	580	2.20	100.0	1	1
110.0	50.0	29 13.8	116 56.5	PT	52 10 09	2041	134	480	2.79	100.0	75	3
110.0	60.0	28 55.0	117 37.5	PT	52 10 09	1341	137	459	2.99	100.0	49	34
113.0	30.0	29 22.5	115 22.2	PT	52 10 10	1439	34	252	1.34	100.0	58	117
113.0	40.0	29 02.0	115 58.5	PT	52 10 10	2046	150	446	3.36	100.0	752	286
117.0	26.0	28 54.0	114 39.5	PT	52 10 11	1133	38	237	1.61	100.0	71	39
117.0	30.0	28 47.0	114 55.8	PT	52 10 11	0858	52	240	2.15	100.0	239	141
117.0	40.0	28 28.9	115 37.2	PT	52 10 11	0241	118	556	2.12	100.0	81	8
120.0	25.0	28 24.1	114 35.4	PT	52 10 11	1623	42	179	2.36	100.0	19	104
120.0	30.0	28 11.2	114 35.4	PT	52 10 13	0033	36	242	1.50	50.0	59	825
120.0	35.0	27 59.2	114 56.8	PT	52 10 13	0413	55	237	2.34	100.0	116	176
120.0	45.0	27 41.8	115 36.0	PT	52 10 13	1605	132	561	2.35	100.0	19	3
120.0	50.0	27 32.5	115 51.5	PT	52 10 13	2016	133	525	2.54	100.0	59	5
120.0	60.0	27 11.0	116 30.0	PT	52 10 14	0301	116	584	1.98	100.0	309	52
120.0	70.0	26 50.5	117 09.0	PT	52 10 14	0931	133	502	2.65	100.0	112	84
120.0	80.0	26 28.6	117 47.5	PT	52 10 14	1606	123	516	2.39	100.0	25	16
120.0	90.0	26 08.0	118 25.8	PT	52 10 14	2251	137	450	3.05	100.0	174	11
123.0	37.0	27 23.8	114 39.3	PT	52 10 16	0708	35	215	1.63	100.0	12	70
123.0	40.0	27 16.0	114 56.3	PT	52 10 16	0421	126	569	2.21	100.0	70	24
123.0	50.0	26 54.0	115 37.2	PT	52 10 15	2056	125	519	2.40	100.0	29	8
127.0	34.0	26 55.2	114 06.0	PT	52 10 16	1353	36	232	1.54	100.0	15	973
127.0	40.0	26 43.3	114 29.5	PT	52 10 16	1756	116	581	2.00	100.0	12	48
127.0	50.0	26 18.5	115 10.0	PT	52 10 17	0116	131	536	2.45	100.0	23	14
130.0	30.0	26 29.5	113 28.1	PT	52 10 18	0458	36	286	1.25	100.0	1059	267
130.0	35.0	26 18.5	113 43.2	PT	52 10 18	0158	66	280	2.36	100.0	108	541
130.0	40.0	26 09.0	114 05.0	PT	52 10 17	2221	138	429	3.22	100.0	70	30
130.0	50.0	25 49.0	114 46.0	PT	52 10 17	1546	131	555	2.36	100.0	13	12
130.0	60.0	25 19.5	115 26.5	PT	52 10 17	0926	117	566	2.06	100.0	28	15
133.0	25.0	26 04.5	112 48.0	PT	52 10 18	1038	57	218	2.62	100.0	179	79
133.0	30.0	25 54.8	113 07.5	PT	52 10 18	1303	58	313	1.84	100.0	96	128
137.0	23.0	25 34.2	112 18.6	PT	52 10 18	2223	39	228	1.70	100.0	507	2013
137.0	30.0	25 20.5	112 44.4	PT	52 10 18	1816	137	440	3.11	100.0	136	1

TABLE 1. (cont.)

CalCOFI Cruise 5211												
Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	55.0	37 47.5	123 15.0	BD	52 11 20	0148	51	247	2.07	100.0	11	502
60.0	60.0	37 37.0	123 37.0	BD	52 11 20	0441	144	480	3.00	100.0	41	35
60.0	70.0	37 17.0	124 21.0	BD	52 11 20	1057	137	470	2.92	100.0	9	36
60.0	80.0	36 57.0	125 04.0	BD	52 11 20	1756	141	513	2.76	100.0	18	10
60.0	90.0	36 37.0	125 47.0	BD	52 11 20	0036	147	492	2.99	100.0	15	10
60.0	100.0	36 17.0	126 30.0	BD	52 11 21	0651	138	557	2.48	100.0	4	14
60.0	110.0	35 57.0	127 12.0	BD	52 11 21	1232	140	489	2.86	100.0	13	17
63.0	52.0	37 19.0	122 36.2	BD	52 11 19	1808	54	232	2.34	100.0	6	120
63.0	55.0	37 14.0	122 49.5	BD	52 11 19	2006	142	530	2.68	50.0	11	9
67.0	50.0	36 49.0	122 04.6	BD	52 11 19	1258	54	252	2.15	100.0	10	3
67.0	55.0	36 39.0	122 26.0	BD	52 11 19	0911	142	542	2.63	100.0	8	34
67.0	65.0	36 19.0	123 09.0	BD	52 11 19	0226	139	521	2.67	100.0	23	21
70.0	51.0	36 10.4	121 45.7	BD	52 11 17	1756	127	503	2.53	100.0	45	4
70.0	60.0	35 53.0	122 23.0	BD	52 11 18	0126	140	527	2.67	100.0	38	57
70.0	70.0	35 33.0	123 06.0	BD	52 11 18	0836	140	499	2.81	100.0	7	41
70.0	80.0	35 13.0	123 48.0	BD	52 11 18	1341	139	507	2.74	100.0	8	12
77.0	55.0	34 54.5	121 13.0	BD	52 11 14	2335	147	510	2.88	100.0	22	110
77.0	65.0	34 34.0	121 55.0	BD	52 11 14	1621	139	513	2.70	100.0	14	74
80.0	51.0	34 26.5	120 32.5	BD	52 11 12	1359	58	334	1.72	100.0	18	33
80.0	55.0	34 19.0	120 48.0	BD	52 11 12	1636	138	507	2.73	100.0	31	103
80.0	60.0	34 09.0	121 09.0	BD	52 11 12	2021	137	514	2.66	100.0	15	60
80.0	70.0	33 49.0	121 51.0	BD	52 11 13	0256	141	530	2.66	100.0	17	5
80.0	80.0	33 29.0	122 32.0	BD	52 11 13	0921	142	497	2.86	100.0	9	4
80.0	90.0	33 09.0	123 13.0	BD	52 11 13	1556	139	494	2.80	100.0	0	3
80.0	100.0	32 49.0	123 54.0	BD	52 11 13	2121	141	478	3.01	100.0	10	0
85.0	38.0	34 01.0	119 02.3	BD	52 11 12	0321	137	534	2.56	100.0	173	727
85.0	40.0	33 57.0	119 10.5	BD	52 11 12	0131	133	523	2.55	100.0	92	1282
85.0	50.0	33 37.0	119 52.0	BD	52 11 11	1931	139	538	2.59	100.0	16	29
85.0	60.0	33 17.0	120 33.5	BD	52 11 11	1256	142	484	2.93	100.0	1	4
90.0	28.0	33 28.5	117 46.7	BD	52 11 09	1103	55	234	2.37	100.0	43	75
90.0	30.0	33 24.5	117 55.0	BD	52 11 09	2306	142	532	2.67	100.0	63	70
90.0	37.0	33 11.0	118 23.5	BD	52 11 10	0316	138	505	2.74	100.0	40	52
90.0	45.0	32 54.5	118 56.0	BD	52 11 10	0851	143	481	2.98	100.0	4	92
90.0	53.0	32 38.5	119 29.0	BD	52 11 10	1409	141	505	2.79	100.0	5	15
90.0	60.0	32 25.0	119 57.5	BD	52 11 10	1906	136	519	2.62	100.0	18	5
90.0	70.0	32 04.5	120 39.0	BD	52 11 10	0121	141	517	2.74	100.0	9	1
93.0	27.0	32 56.0	117 19.2	BD	52 11 09	0526	136	462	2.95	100.0	76	77
93.0	30.0	32 50.0	117 31.5	BD	52 11 09	0141	135	500	2.80	100.0	38	200
93.0	40.0	32 30.0	118 12.5	BD	52 11 08	1944	135	584	2.31	100.0	37	6
93.0	50.0	32 10.0	118 53.5	BD	52 11 08	1331	137	518	2.64	100.0	2	5
97.0	30.0	32 15.4	117 08.8	BD	52 11 07	1703	38	238	1.61	100.0	7	88
97.0	32.0	32 11.5	117 17.0	BD	52 11 07	1841	136	563	2.42	100.0	24	52
97.0	40.0	31 55.5	117 50.0	BD	52 11 08	0011	139	579	2.39	100.0	33	5
97.0	50.0	31 35.5	118 30.5	BD	52 11 08	0646	135	589	2.30	100.0	4	0
100.0	29.0	31 42.0	116 44.5	CR	52 11 05	2021	54	423	1.26	100.0	24	46

TABLE 1. (cont.)

CalCOFI Cruise 5211

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	30.0	31 40.2	116 47.0	CR	52 11 05	2126	113	522	2.16	100.0	23	36
100.0	40.0	31 21.0	117 27.0	CR	52 11 06	0251	109	604	1.81	100.0	11	4
100.0	50.0	31 01.0	118 06.0	CR	52 11 06	0756	133	483	2.76	100.0	4	0
100.0	60.0	30 41.0	118 47.0	CR	52 11 06	1216	140	438	3.19	100.0	8	1
100.0	70.0	30 20.5	119 27.0	CR	52 11 06	1721	134	447	3.01	100.0	12	29
100.0	80.0	30 01.0	120 06.5	CR	52 11 06	2226	106	532	1.98	100.0	103	86
103.0	30.0	31 05.0	116 25.0	CR	52 11 07	1924	26	111	2.39	100.0	18	103
103.0	35.0	30 55.5	116 45.0	CR	52 11 07	1706	127	476	2.68	100.0	23	2
103.0	40.0	30 45.5	117 05.5	CR	52 11 07	1426	123	505	2.44	100.0	5	6
107.0	32.0	30 25.5	116 12.0	CR	52 11 07	2351	90	573	1.58	100.0	71	64
107.0	35.0	30 20.0	116 23.0	CR	52 11 08	0156	138	441	3.12	100.0	133	26
110.0	33.0	29 50.5	115 52.0	CR	52 11 09	0424	35	173	2.02	100.0	173	99
110.0	35.0	29 39.0	116 13.0	CR	52 11 09	0201	131	527	2.49	100.0	31	1
110.0	40.0	29 30.0	116 33.0	CR	52 11 08	2241	144	459	3.14	100.0	103	2
110.0	50.0	29 17.0	117 01.0	CR	52 11 08	1801	127	489	2.59	100.0	168	4
110.0	60.0	29 00.0	117 33.0	CR	52 11 08	1346	136	466	2.91	100.0	13	15
113.0	30.0	29 22.3	115 18.0	CR	52 11 09	0909	37	168	2.22	100.0	84	84
113.0	35.0	29 12.0	115 39.0	CR	52 11 09	1211	149	426	3.51	100.0	25	45
113.0	40.0	29 02.0	115 58.5	CR	52 11 09	1526	127	455	2.79	100.0	17	3
117.0	26.0	28 56.0	114 41.0	CR	52 11 10	0819	39	118	3.29	100.0	49	57
117.0	30.0	28 48.0	114 56.5	CR	52 11 10	0607	49	196	2.51	100.0	47	79
117.0	35.0	28 38.0	115 16.0	CR	52 11 09	2301	112	495	2.26	100.0	173	58
117.0	40.0	28 28.0	115 35.5	CR	52 11 09	2016	120	468	2.57	100.0	98	3
120.0	25.0	28 23.0	114 15.0	CR	52 11 10	1513	44	165	2.64	100.0	2	23
120.0	30.0	28 13.0	114 34.0	CR	52 11 10	2138	36	198	1.81	100.0	67	115
120.0	35.0	28 03.0	114 54.0	CR	52 11 11	0113	47	230	2.04	100.0	53	279
120.0	45.0	27 43.0	115 33.0	CR	52 11 11	2326	116	507	2.30	100.0	14	8
120.0	50.0	27 31.5	115 51.0	CR	52 11 12	0221	124	494	2.51	100.0	20	2
120.0	60.0	27 15.0	116 34.0	CR	52 11 12	0721	120	500	2.41	100.0	50	21
120.0	70.0	26 52.0	117 10.0	CR	52 11 12	1156	144	460	3.13	100.0	14	25
120.0	80.0	26 32.5	117 48.2	CR	52 11 12	1641	119	490	2.42	100.0	69	12
120.0	90.0	26 13.0	118 28.0	CR	52 11 12	2131	134	462	2.89	100.0	105	5
123.0	37.0	27 24.0	114 39.5	CR	52 11 13	2044	32	248	1.27	100.0	43	296
123.0	40.0	27 18.0	114 47.0	CR	52 11 13	1856	150	395	3.80	100.0	15	48
123.0	50.0	26 58.0	115 31.0	CR	52 11 13	1416	130	455	2.85	100.0	12	1
127.0	34.0	26 55.5	114 06.0	CR	52 11 14	0818	26	206	1.26	100.0	7	224
127.0	50.0	26 23.0	115 08.0	CR	52 11 14	1705	141	462	3.06	100.0	19	19
130.0	30.0	26 29.0	113 29.0	CR	52 11 15	1508	36	228	1.58	100.0	15	162
130.0	35.0	26 19.0	113 49.0	CR	52 11 15	1227	110	392	2.80	100.0	11	259
130.0	40.0	26 14.5	114 10.7	CR	52 11 15	0941	93	582	1.60	100.0	49	8
130.0	50.0	25 50.0	114 46.0	CR	52 11 15	0431	125	492	2.54	100.0	11	6
130.0	60.0	25 29.0	115 23.5	CR	52 11 14	2326	138	457	3.03	100.0	105	0
133.0	25.0	26 05.0	112 48.0	CR	52 11 15	1944	29	126	2.12	100.0	23	35
133.0	30.0	25 54.5	113 07.5	CR	52 11 15	2218	38	192	1.99	100.0	31	0
137.0	23.0	25 34.0	112 19.0	CR	52 11 16	0544	32	154	2.06	100.0	5	390
137.0	30.0	25 20.0	112 45.5	CR	52 11 16	0241	151	452	3.35	100.0	14	0

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1952.

Rank	Taxon	Occurrences
1	<i>Triphoturus mexicanus</i>	715
2	<i>Sebastes</i> spp.	686
3	<i>Lampanyctus</i> spp.	555
4	<i>Citharichthys</i> spp.	524
4	<i>Engraulis mordax</i>	524
6	<i>Leuroglossus stilbius</i>	502
7	<i>Vinciguerrria lucetia</i>	474
8	<i>Trachurus symmetricus</i>	419
9	<i>Stenobranchius leucopsarus</i>	405
10	<i>Tarletonbeania crenularis</i>	399
11	<i>Bathylagus wesethi</i>	370
12	<i>Merluccius productus</i>	366
13	<i>Protomyctophum crockeri</i>	345
14	<i>Cyclothone</i> spp.	283
15	<i>Sardinops sagax</i>	269
16	Disintegrated fish larva	253
17	<i>Diogenichthys laternatus</i>	233
17	<i>Melamphaes</i> spp.	233
19	<i>Bathylagus ochotensis</i>	222
20	Unidentified fish larva	218
21	Myctophidae	186
22	<i>Symbolophorus californiensis</i>	183
23	Paralepididae	179
24	<i>Diaphus</i> spp.	156
25	<i>Icichthys lockingtoni</i>	139
26	Labridae	135
27	<i>Stomias atriventer</i>	120
28	<i>Diogenichthys atlanticus</i>	112
29	Gobiidae	107
30	<i>Lyopsetta exilis</i>	80
31	<i>Ceratoscopelus townsendi</i>	78
32	<i>Scomber japonicus</i>	73
33	<i>Chauliodus macouni</i>	69
34	<i>Argentina sialis</i>	68
35	Sternoptychidae	67
36	<i>Synodus</i> spp.	63
36	<i>Nansenia crassa</i>	63
38	Sciaenidae	61
39	Scopelarchidae	54
40	Ophidiiformes	53
41	<i>Symphurus</i> spp.	50
41	<i>Paralichthys californicus</i>	50
41	<i>Peprilus simillimus</i>	50
44	<i>Pleuronichthys verticalis</i>	44
44	<i>Gonichthys tenuiculus</i>	44
46	Trachipteridae	40
47	Cottidae	36
48	<i>Hygophum atratum</i>	35

TABLE 2. (cont.)

Rank	Taxon	Occurrences
49	<i>Myctophum nitidulum</i>	34
50	Chiasmodontidae	33
51	<i>Hypsoblennius</i> spp.	32
52	<i>Parophrys vetulus</i>	31
52	<i>Idiacanthus antrostomus</i>	31
52	Trichiuridae	31
55	<i>Microstomus pacificus</i>	30
56	Serranidae	29
57	<i>Microstoma microstoma</i>	28
57	<i>Cololabis saira</i>	28
59	<i>Hippoglossina stomata</i>	27
59	<i>Chromis punctipinnis</i>	27
61	Anguilliformes	26
62	<i>Glyptocephalus zachirus</i>	25
63	<i>Ichthyococcus</i> spp.	23
64	<i>Lampadena urophaos</i>	22
65	<i>Hygophum</i> spp.	20
66	<i>Prionotus</i> spp.	19
67	<i>Loweina rara</i>	18
67	<i>Etrumeus acuminatus</i>	18
67	<i>Brosmophycis marginata</i>	18
70	<i>Nansenia candida</i>	17
70	<i>Chilara taylori</i>	17
70	<i>Tetragonurus cuvieri</i>	17
73	<i>Xystreurus liolepis</i>	16
73	<i>Sphyraena argentea</i>	16
73	<i>Sebastolobus</i> spp.	16
76	<i>Tactostoma macropus</i>	15
76	<i>Bathylagus pacificus</i>	15
78	<i>Hygophum reinhardtii</i>	14
78	<i>Pleuronichthys</i> spp.	14
78	Carangidae	14
81	Pleuronectiformes	13
81	<i>Ophidion scrippsae</i>	13
81	Cyclopteridae	13
84	<i>Medialuna californiensis</i>	11
85	Scorpaenidae	9
86	<i>Scorpaenichthys marmoratus</i>	8
86	<i>Aristostomias scintillans</i>	8
86	<i>Pleuronichthys ritteri</i>	8
89	Atherinidae	6
89	<i>Syngnathus</i> spp.	6
89	<i>Pleuronichthys coenosus</i>	6
92	<i>Girella nigricans</i>	5
93	Clinidae	4
93	<i>Scopelogadus bispinosus</i>	4
93	<i>Icosteus aenigmaticus</i>	4
93	Agonidae	4
93	Macrouridae	4
93	<i>Pleuronichthys decurrens</i>	4

TABLE 2. (cont.)

Rank	Taxon	Occurrences
93	<i>Poromitra</i> spp.	4
93	<i>Electrona rissoi</i>	4
93	<i>Notolychnus valdiviae</i>	4
93	<i>Opisthonema</i> spp.	4
93	<i>Notoscopelus resplendens</i>	4
104	<i>Diogenichthys</i> spp.	3
104	Ceratioidei	3
106	Exocoetidae	2
106	<i>Syacium ovale</i>	2
108	Gempylidae	1
108	Gobiesocidae	1
108	<i>Ophiodon elongatus</i>	1
108	<i>Diplophos taenia</i>	1
108	<i>Auxis</i> spp.	1
108	Scombridae	1
108	Carapidae	1
108	<i>Brama</i> spp.	1
108	<i>Eopsetta jordani</i>	1
108	Bothidae	1
108	<i>Anoplopoma fimbria</i>	1
108	Stomiiformes	1
108	<i>Zaniolepis</i> spp.	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1952. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	<i>Engraulis mordax</i>	64009
2	<i>Merluccius productus</i>	60244
3	<i>Leuroglossus stilbius</i>	34531
4	<i>Sardinops sagax</i>	27860
5	<i>Triphoturus mexicanus</i>	27482
6	<i>Citharichthys</i> spp.	26101
7	<i>Vinciguerrria lucetia</i>	25459
8	<i>Trachurus symmetricus</i>	22015
9	<i>Sebastes</i> spp.	21826
10	<i>Stenobranchius leucopsarus</i>	21333
11	<i>Tarletonbeania crenularis</i>	6165
12	<i>Bathylagus wesethi</i>	6020
13	<i>Diogenichthys laternatus</i>	5592
14	<i>Lampanyctus</i> spp.	4864
15	<i>Cyclothone</i> spp.	2718
16	Unidentified fish larva	2580
17	Disintegrated fish larva	2465
18	<i>Diaphus</i> spp.	2463
19	<i>Bathylagus ochotensis</i>	2148
20	<i>Protomyctophum crockeri</i>	1795
21	<i>Symbolophorus californiensis</i>	1438
22	Labridae	1338
23	Myctophidae	1283
24	<i>Prionotus</i> spp.	1238
25	<i>Melamphaes</i> spp.	1041
26	<i>Icichthys lockingtoni</i>	1022
27	<i>Synodus</i> spp.	991
28	<i>Scomber japonicus</i>	879
29	<i>Diogenichthys atlanticus</i>	856
30	Paralepididae	808
31	<i>Symphurus</i> spp.	805
32	<i>Stomias atriventer</i>	603
32	Gobiidae	603
34	<i>Argentina sialis</i>	596
35	<i>Ceratoscopelus townsendi</i>	589
36	<i>Lyopsetta exilis</i>	564
37	Sciaenidae	494
38	Serranidae	468
39	<i>Etrumeus acuminatus</i>	427
40	Ophidiiformes	413
41	<i>Peprilus simillimus</i>	412
42	<i>Paralichthys californicus</i>	369
43	<i>Pleuronichthys verticalis</i>	358
44	<i>Chauliodus macouni</i>	300
45	<i>Nansenia crassa</i>	281
46	<i>Ophidion scrippsae</i>	251
47	Cottidae	239

TABLE 3. (cont.)

Rank	Taxon	Count
48	Sternoptychidae	237
49	<i>Gonichthys tenuiculus</i>	206
50	<i>Hypsoblennius</i> spp.	205
51	Carangidae	203
52	Scopelarchidae	195
53	<i>Chromis punctipinnis</i>	187
54	<i>Hygophum atratum</i>	184
55	<i>Hippoglossina stomata</i>	175
56	<i>Microstomus pacificus</i>	161
57	Trachipteridae	157
58	<i>Parophrys vetulus</i>	155
59	<i>Idiacanthus antrostomus</i>	149
60	<i>Glyptocephalus zachirus</i>	147
61	<i>Lampadena urophaos</i>	143
62	Trichiuridae	129
63	Chiasmodontidae	128
64	<i>Xysteurys liolepis</i>	126
65	<i>Sphyraena argentea</i>	118
66	<i>Myctophum nitidulum</i>	111
67	<i>Sebastolobus</i> spp.	108
68	<i>Medialuna californiensis</i>	98
68	<i>Microstoma microstoma</i>	98
70	<i>Opisthonema</i> spp.	95
70	<i>Cololabis saira</i>	95
72	<i>Nansenia candida</i>	93
73	<i>Brosomphycis marginata</i>	92
74	Anguilliformes	89
75	<i>Hygophum</i> spp.	82
76	<i>Ichthyococcus</i> spp.	78
77	<i>Tactostoma macropus</i>	77
78	<i>Loweina rara</i>	70
79	<i>Pleuronichthys</i> spp.	69
80	<i>Tetragonurus cuvieri</i>	63
81	Scorpaenidae	60
82	Pleuronectiformes	55
83	<i>Pleuronichthys ritteri</i>	52
84	<i>Bathylagus pacificus</i>	49
85	<i>Chilara taylori</i>	48
86	Cyclopteridae	46
87	<i>Hygophum reinhardtii</i>	45
88	<i>Scorpaenichthys marmoratus</i>	32
89	<i>Aristostomias scintillans</i>	30
90	<i>Icosteus aenigmaticus</i>	22
91	<i>Pleuronichthys coenosus</i>	21
92	<i>Notolychnus valdiviae</i>	20
93	Macrouridae	19
94	<i>Syngnathus</i> spp.	18
95	<i>Girella nigricans</i>	17
95	Agonidae	17

TABLE 3. (cont.)

Rank	Taxon	Count
97	Atherinidae	15
97	<i>Auxis</i> spp.	15
99	Clinidae	13
100	<i>Electrona rissoi</i>	12
100	Stomiiformes	12
100	<i>Notoscopelus resplendens</i>	12
100	Scombridae	12
100	<i>Poromitra</i> spp.	12
105	<i>Scopelogadus bispinosus</i>	11
106	<i>Diogenichthys</i> spp.	10
106	<i>Pleuronichthys decurrens</i>	10
108	Ceratioidei	9
109	<i>Eopsetta jordani</i>	8
110	Gobiesocidae	7
111	Exocoetidae	6
112	<i>Syacium ovale</i>	4
113	Carapidae	3
113	Gempylidae	3
113	<i>Anoplopoma fimbria</i>	3
113	<i>Diplophos taenia</i>	3
117	Bothidae	2
117	<i>Brama</i> spp.	2
117	<i>Zaniolepis</i> spp.	2
117	<i>Ophiodon elongatus</i>	2
	Total	391398

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1952. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied more than once during a calendar month. Unoccupied stations are indicated by a dash.

Anguilliformes											
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV. DEC.
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	3.1
113.0	50.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.3
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	50.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
130.0	80.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	30.0	0.0	-	-	-	-	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.1	0.0
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.3
137.0	50.0	5.1	1.4	10.3	0.0	0.0	0.0	-	-	-	-
140.0	35.0	0.0	-	0.0	2.6	0.0	0.0	0.0	-	-	-
		2.7	-	-	-	-	-	-	-	-	-
<i>Etrumeus acuminatus</i>											
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV. DEC.
118.5	35.0	-	-	-	-	-	-	9.1	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	3.0	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	6.1	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	0.0	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192.6	0.0	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	5.0	5.0	0.0
133.0	25.0	28.8	0.0	0.0	0.0	0.0	-	0.0	0.0	2.6	0.0
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	71.4	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.0	20.0	4.1	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Opisthonema spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0 34.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	20.6	0.0	0.0	-
137.0 23.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	55.8	0.0	0.0	-

Sardinops sagax

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0 60.0	0.0	0.0	0.0	-	0.0	2.9	0.0	0.0	2.8	0.0	0.0	-
87.0 35.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-	-
87.0 50.0	-	-	-	0.0	1.6	0.0	-	-	-	-	-	-
90.0 28.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-
90.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	-
90.0 37.0	0.0	2.9	0.0	0.0	0.0	38.8	2.7	0.0	0.0	-	0.0	-
90.0 53.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0 35.0	-	-	-	-	3.3	0.0	0.0	-	-	-	-	-
93.0 40.0	0.0	0.0	0.0	0.0	0.0	9.4	2.9	0.0	0.0	0.0	0.0	-
93.0 45.0	-	-	-	-	0.0	0.0	4.6	-	-	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	22.2	5.2	92.9	0.0	0.0	0.0	0.0	-
93.0 55.0	-	-	-	-	288.1	0.0	54.4	-	-	-	-	-
93.0 60.0	0.0	5.5	11.1	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0 90.0	-	-	-	3.1	0.0	-	0.0	-	-	-	-	-
97.0 35.0	-	-	-	-	3.7	-	-	-	-	-	-	-
97.0 40.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 45.0	-	-	-	-	48.2	0.0	11.8	-	-	-	-	-
97.0 50.0	0.0	0.0	0.0	20.8	2.9	1.7	0.0	0.0	0.0	0.0	0.0	-
97.0 55.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
97.0 60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	-	-	-
97.0 65.0	-	-	-	-	0.0	9.4	-	-	-	-	-	-
97.0 90.0	-	-	-	3.3	0.0	0.0	0.0	-	-	-	-	-
100.0 29.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
100.0 30.0	-	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	-
100.0 45.0	-	-	-	-	4.7	0.0	0.0	-	-	-	-	-
100.0 50.0	-	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-
100.0 60.0	-	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
103.0 50.0	-	-	-	0.0	2.8	0.0	-	-	-	-	-	-
105.0 50.0	0.0	0.0	10.6	-	-	-	0.0	-	-	-	-	-
107.0 35.0	-	-	-	0.0	190.1	0.0	-	0.0	0.0	0.0	0.0	-
110.0 33.0	0.0	1.4	-	0.0	26.0	0.0	0.0	0.0	0.0	0.0	28.3	-
110.0 35.0	0.0	0.0	0.0	0.0	247.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0 40.0	0.0	0.0	0.0	0.0	33.6	3.3	0.0	0.0	0.0	0.0	0.0	-
110.0 45.0	-	-	-	-	0.0	18.3	-	-	-	-	-	-
110.0 50.0	0.0	0.0	0.0	0.0	0.0	387.3	0.0	0.0	0.0	0.0	0.0	-
110.0 55.0	-	-	-	-	-	22.3	-	-	-	-	-	-
113.0 30.0	-	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	-
113.0 35.0	-	0.0	0.0	0.0	34.9	2.8	0.0	0.0	-	-	0.0	-
113.0 40.0	-	0.0	8.3	6.8	0.0	58.1	0.0	0.0	6.5	0.0	0.0	-

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	45.0	-	-	0.0	5.1	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	101.3	0.0	0.0	7.9	0.0	-	-	-	-	-
113.0	55.0	-	-	184.3	0.0	110.2	12.7	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	3.3	2.7	-	-	-	-	-
117.0	26.0	0.0	5.2	0.0	3.0	0.0	3.5	0.0	0.0	3.2	3.3	-
117.0	35.0	163.2	89.7	0.0	125.5	0.0	0.0	0.0	-	-	0.0	-
117.0	40.0	25.5	20.8	3.0	51.5	0.0	0.0	0.0	0.0	8.5	23.1	-
117.0	45.0	-	0.0	9.4	4.4	0.0	0.0	-	-	-	-	-
117.0	50.0	3.0	64.3	0.0	52.4	0.0	0.0	-	-	-	-	-
117.0	55.0	-	9.7	0.0	3.6	620.5	12.8	-	-	-	-	-
117.0	60.0	0.0	16.2	7.7	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	50.0	0.0	3.1	-	-	-	-	-	-
117.0	70.0	0.0	-	6.0	0.0	0.0	0.0	-	-	-	-	-
118.5	30.0	-	-	-	-	-	-	110.0	-	-	-	-
118.5	35.0	-	-	-	-	-	-	123.8	-	-	-	-
119.0	33.0	-	-	-	-	-	-	411.7	-	-	-	-
119.0	42.0	-	-	-	-	-	-	56.8	-	-	-	-
120.0	25.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	11.8	39.0	18.1	-
120.0	35.0	6.3	0.0	0.0	6.0	126.6	1.6	200.5	0.0	42.1	18.4	-
120.0	37.0	-	-	-	-	-	0.9	-	-	-	-	-
120.0	40.0	-	11.6	10.2	0.0	5.7	-	-	-	-	-	-
120.0	43.0	-	-	-	-	-	-	30.4	-	-	-	-
120.0	45.0	58.0	7.6	385.4	445.3	36.6	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	84.7	0.0	103.7	15.4	118.9	0.0	3.0	0.0	0.0	0.0	-
120.0	55.0	-	142.1	739.9	15.6	508.6	0.0	-	0.0	0.0	-	-
120.0	60.0	0.0	14.6	37.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	65.0	-	11.8	0.0	2.8	0.0	-	-	0.0	0.0	0.0	-
120.0	70.0	0.0	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	1.9	0.0	0.0	0.0	0.0	157.2	0.0	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	2.0	-	-	-	-
121.0	34.0	-	-	-	-	-	-	3.7	-	-	-	-
121.0	41.0	-	-	-	-	-	-	-	-	-	-	-
123.0	37.0	159.1	1.6	20.7	5.2	0.0	0.0	0.0	441.0	3.3	2.5	-
123.0	40.0	0.0	16.8	54.3	109.6	18.4	0.0	0.0	342.7	24.3	15.2	-
123.0	45.0	-	1332.8	2121.4	8.2	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	28.3	575.3	20.6	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	55.0	-	0.0	32.9	2.6	0.0	-	-	-	-	-	-
123.0	60.0	0.0	0.0	5.5	3.1	0.0	0.0	-	-	-	-	-
127.0	34.0	-	53.0	14.6	0.0	0.0	0.0	26.8	0.0	0.0	3.8	-
127.0	40.0	7.6	709.9	532.1	139.3	6.4	0.0	0.0	0.0	0.0	-	-
127.0	45.0	3.0	999.1	335.3	441.5	87.6	0.0	-	-	7.4	0.0	-
127.0	50.0	0.0	122.4	5.9	9.5	2.9	16.6	0.0	0.0	-	-	-
127.0	55.0	-	20.7	8.8	0.0	0.0	-	-	-	-	-	-
127.0	60.0	0.0	1.5	0.0	6.5	0.0	0.0	-	-	-	-	-
130.0	30.0	262.2	9.5	0.0	0.0	0.0	0.0	41.0	7.5	3.8	0.0	-

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	0.0	68.5	32.8	117.4	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	0.0	0.0	14.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	0.0	22.5	181.6	6.0	0.0	-	-	-	-	-
130.0	50.0	0.0	121.0	801.3	428.8	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	52.0	-	179.4	-	-	-	-	-	-	-	-	-
130.0	55.0	-	20.6	63.6	53.9	2.9	-	-	-	-	-	-
130.0	60.0	0.0	164.7	603.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	54.0	34.7	153.6	0.0	0.0	-	0.0	0.0	0.0	2.1	-
133.0	30.0	0.0	1.5	85.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	0.0	90.8	7.7	0.0	2.3	-	-	-	-	-
133.0	40.0	6.8	0.0	3.0	8.0	18.1	0.0	-	-	-	-	-
133.0	45.0	-	0.0	140.5	0.0	0.0	0.0	-	-	-	-	-
137.0	23.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	30.0	300.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	40.0	99.0	7.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-
137.0	50.0	0.0	0.0	0.0	0.0	23.7	0.0	0.0	-	-	-	-
140.0	30.0	-	-	-	-	-	-	-	-	-	-	-
140.0	35.0	-	-	-	-	-	-	-	-	-	-	-
143.0	26.0	-	-	-	-	-	-	-	-	-	-	-
147.0	20.0	-	-	-	-	-	-	-	-	-	-	-
147.0	25.0	-	-	-	-	-	-	-	-	-	-	-
150.0	19.0	-	-	-	-	-	-	-	-	-	-	-

Engraulis mordax

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	-	-	-	-	10.7	-	-	-	-	-
63.0	55.0	-	-	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-
63.0	60.0	-	-	0.0	0.0	0.0	7.3	-	-	-	0.0	-
67.0	50.0	-	-	0.0	0.0	0.0	-	0.0	1.6	-	0.0	-
67.0	55.0	-	-	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0	-
67.0	65.0	-	-	-	-	0.0	0.0	13.2	0.0	0.0	0.0	-
70.0	70.0	-	-	0.0	0.0	0.0	7.8	69.3	2.4	0.0	0.0	-
70.0	80.0	-	-	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	-
77.0	60.0	-	-	-	0.0	0.0	6.8	-	-	-	-	-
77.0	65.0	-	-	-	0.0	-	0.0	0.0	13.0	0.0	0.0	-
80.0	51.0	70.4	10.4	0.0	0.0	16.9	2.0	0.0	0.0	0.0	13.8	-
80.0	55.0	56.5	0.0	0.0	0.0	0.0	0.0	0.0	21.5	3.0	27.3	-
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	-
80.0	65.0	-	-	-	-	0.0	10.2	-	-	-	-	-
80.0	70.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	5.7	0.0	0.0	-
83.0	43.0	-	-	-	0.0	21.7	-	-	-	-	-	-
83.0	55.0	-	-	5.0	6.3	0.0	-	-	-	-	-	-
83.0	60.0	-	-	0.0	10.3	0.0	-	-	-	-	-	-
85.0	38.0	66.1	215.8	102.4	-	-	4.8	53.6	19.0	21.5	358.4	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	40.0	54.6	24.3	-	-	-	5.3	13.1	35.0	10.1	183.6	-
85.0	45.0	-	-	-	-	-	11.7	-	-	-	-	-
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	212.0	0.0	2.6	-
85.0	55.0	-	-	-	-	-	12.8	-	-	-	-	-
85.0	60.0	0.0	0.0	-	-	-	0.0	0.0	0.0	3.0	0.0	-
85.0	70.0	4.5	0.0	-	-	-	0.0	-	-	-	-	-
87.0	35.0	-	-	505.4	5.9	145.1	-	-	-	-	-	-
87.0	40.0	-	-	9.4	0.0	0.0	-	-	-	-	-	-
87.0	50.0	-	-	0.0	4.8	0.0	-	-	-	-	-	-
90.0	28.0	33.5	41.2	40.3	43.3	179.8	125.8	38.4	62.6	106.9	33.2	-
90.0	30.0	38.7	0.0	68.6	4.4	5.8	939.4	5.7	69.1	0.0	101.5	-
90.0	35.0	-	0.0	-	-	3.0	-	0.0	0.0	-	43.8	-
90.0	37.0	40.3	0.0	15.5	53.6	207.8	128.6	-	-	-	-	-
90.0	39.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	41.0	-	-	-	-	6.1	-	-	-	-	-	-
90.0	45.0	0.0	0.0	3.3	7.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	27.0	6.9	130.2	14.4	238.3	171.0	0.0	30.7	14.6	31.0	67.8	-
93.0	30.0	0.0	0.0	0.0	76.8	51.3	0.0	0.0	27.0	11.4	19.6	-
93.0	35.0	-	-	-	81.8	38.6	0.0	-	-	-	-	-
93.0	40.0	14.5	0.0	3.1	16.8	3.5	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	0.0	0.0	0.0	3.2	1.4	0.0	0.0	0.0	0.0	0.0	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	5.5	-	-	-	-	-
97.0	30.0	7.5	68.0	-	69.7	2.9	3.9	10.1	7.9	-	0.0	-
97.0	32.0	0.0	19.9	0.0	-	42.6	10.3	0.0	161.2	0.0	0.0	-
97.0	35.0	-	-	-	114.1	-	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	63.0	0.0	3.0	274.6	0.0	35.1	4.8	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-
100.0	29.0	-	99.2	59.8	138.1	1.2	0.0	0.0	28.4	27.2	8.8	-
100.0	30.0	130.0	123.6	40.2	218.0	19.7	0.0	5.4	50.9	0.0	21.6	-
100.0	35.0	-	-	-	-	25.1	0.0	-	-	-	-	-
100.0	40.0	13.6	8.2	22.9	38.1	10.8	0.0	0.0	0.0	0.0	3.6	-
100.0	45.0	-	-	-	14.2	7.1	0.0	-	0.0	-	-	-
100.0	50.0	0.0	3.0	136.5	0.0	3.2	0.0	0.0	0.0	34.7	0.0	-
100.0	60.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	65.0	-	-	-	9.7	0.0	-	-	-	-	-	-
103.0	30.0	-	-	120.9	26.6	0.0	-	73.7	33.0	0.0	14.3	-
103.0	35.0	-	-	26.2	5.7	13.1	-	5.9	17.2	0.0	0.0	-
103.0	40.0	-	-	140.4	24.0	0.0	-	5.5	8.6	9.2	0.0	-
103.0	45.0	-	-	-	4.5	-	-	-	-	-	-	-
103.0	50.0	-	-	14.9	2.8	0.0	-	-	-	-	-	-
105.0	32.0	12.6	6.4	-	-	-	0.0	-	-	-	-	-
105.0	35.0	173.9	254.4	-	-	-	0.0	-	-	-	-	-
105.0	40.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	50.0	0.0	111.3	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	1.9	-	-	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	32.0	-	-	130.8	76.7	0.0	-	3.0	44.6	15.6	56.9	-
107.0	35.0	-	-	23.6	34.6	0.0	-	0.0	14.4	0.0	227.8	-
107.0	40.0	-	-	6.3	0.0	0.0	-	0.0	0.0	-	-	-
107.0	45.0	-	-	-	4.4	0.0	-	-	-	-	-	-
110.0	33.0	17.9	-	44.7	0.0	0.0	0.0	0.0	0.0	0.0	157.6	-
110.0	35.0	51.6	2.7	99.2	16.3	0.0	2.5	3.1	0.0	1.7	39.8	-
110.0	40.0	0.0	17.5	109.6	232.4	0.0	0.0	0.0	0.0	44.0	0.0	-
110.0	50.0	3.1	17.7	20.7	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
113.0	30.0	350.9	34.6	0.0	6.4	4.0	127.7	12.6	1812.3	0.0	13.3	-
113.0	35.0	309.9	29.3	12.2	0.0	0.0	0.0	0.0	-	-	3.5	-
113.0	40.0	174.0	0.0	1.4	0.0	0.0	0.0	0.0	52.3	1753.9	0.0	-
113.0	45.0	-	-	2.9	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	5.9	0.0	22.3	0.0	0.0	0.0	-	-	-	-	-
113.0	55.0	-	-	231.1	0.0	3.2	0.0	-	-	-	-	-
113.0	60.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
115.0	26.0	-	-	-	-	-	-	45.8	-	-	-	-
115.0	27.0	-	-	-	-	-	-	5.0	-	-	-	-
115.0	30.0	-	-	-	-	-	-	2.6	-	-	-	-
115.0	35.0	-	-	-	-	-	-	-	-	-	-	-
115.0	50.0	-	-	-	-	-	-	-	-	-	-	-
117.0	26.0	139.5	268.3	8.3	36.2	220.7	119.7	56.3	14.0	0.0	59.2	-
117.0	30.0	165.3	72.9	8.3	40.9	6.4	0.0	18.3	288.4	51.6	30.1	-
117.0	35.0	214.2	1267.1	6.0	0.0	7.4	46.2	11.7	-	-	287.0	-
117.0	40.0	51.0	317.6	17.8	0.0	5.9	3.4	0.0	33.1	82.7	2.6	-
117.0	50.0	159.3	19.4	0.0	2.6	3.3	0.0	-	-	-	-	-
117.0	55.0	-	16.1	3.2	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	105.3	15.4	0.0	0.0	3.3	-	-	-	-	-
117.0	65.0	-	-	6.8	0.0	0.0	3.2	-	-	-	-	-
117.0	70.0	0.0	-	4.5	0.0	0.0	-	3.3	-	-	-	-
118.0	33.0	-	-	-	-	-	-	56.6	-	-	-	-
118.0	35.0	-	-	-	-	-	-	117.7	-	-	-	-
118.5	25.0	-	-	-	-	-	-	73.4	-	-	-	-
118.5	30.0	-	-	-	-	-	-	63.4	-	-	-	-
118.5	35.0	-	-	-	-	-	-	464.3	-	-	-	-
119.0	33.0	-	-	-	-	-	-	247.0	-	-	-	-
119.0	42.0	-	-	-	-	-	-	118.5	28.1	0.0	5.3	-
120.0	25.0	16.8	22.1	0.0	193.0	363.4	241.7	118.5	208.8	75.0	0.0	-
120.0	30.0	238.1	218.7	5.3	480.2	1725.4	82.8	115.4	6.6	60.8	32.6	-
120.0	35.0	392.7	400.6	61.2	326.2	2329.4	114.5	113.1	-	-	-	-
120.0	37.0	-	-	-	-	-	47.5	-	-	-	-	-
120.0	40.0	-	13.9	1.5	142.8	1130.2	-	-	-	-	-	-
120.0	43.0	-	-	-	-	-	-	45.5	-	-	-	-
120.0	45.0	951.4	403.9	17.0	3.3	33.5	72.8	11.1	0.0	0.0	4.6	-
120.0	50.0	8.8	3.0	9.1	0.0	0.0	0.0	0.0	3.2	2.5	0.0	-
120.0	55.0	-	11.6	0.0	0.0	12.5	0.0	-	-	-	-	-
120.0	60.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	65.0	-	8.9	0.0	0.0	0.0	-	0.0	-	3.7	-	-
120.0	70.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	640.8	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	30.1	-	-	-	-
121.0	34.0	-	-	-	-	-	-	1.8	-	-	-	-
121.0	41.0	-	-	-	-	-	-	12.2	-	-	-	-
121.3	26.0	-	-	-	-	-	-	9.2	-	-	-	-
121.5	28.0	-	-	-	-	-	-	0.0	264.6	0.0	2.5	-
123.0	37.0	125.0	48.8	388.5	12.9	12.2	0.0	0.0	110.2	13.3	0.0	-
123.0	40.0	324.1	179.0	7.7	131.5	181.1	22.0	0.0	-	-	-	-
123.0	45.0	-	27.4	0.0	0.0	0.0	2.5	0.0	-	-	-	-
123.0	50.0	0.0	28.1	14.1	0.0	0.0	24.6	0.0	0.0	0.0	0.0	-
123.0	60.0	0.0	1.4	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-
127.0	34.0	-	142.8	70.5	20.6	271.6	0.0	20.1	185.8	0.0	0.0	-
127.0	40.0	-	119.5	967.2	0.0	3.2	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	986.0	43.8	2.9	2.9	-	0.0	2.5	0.0	-
127.0	50.0	-	0.0	0.0	3.2	0.0	6.7	0.0	0.0	-	-	-
127.0	55.0	-	11.8	0.0	0.0	0.0	-	-	-	-	-	-
127.0	60.0	0.0	0.0	5.7	0.0	0.0	0.0	-	-	-	-	-
130.0	30.0	132.0	249.3	2.7	0.0	302.0	15.9	0.0	2.5	5.0	0.0	-
130.0	35.0	0.0	296.0	193.8	0.0	19.1	0.0	0.0	2.8	0.0	0.0	-
130.0	40.0	0.0	858.5	78.3	13.5	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	66.2	12.8	0.0	3.0	0.0	-	0.0	-	-	-
130.0	50.0	49.8	115.0	881.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	52.0	-	156.0	-	-	-	-	-	-	-	-	-
130.0	55.0	-	97.0	2.9	0.0	0.0	-	-	-	-	-	-
130.0	60.0	11.7	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	354.9	945.6	2642.4	334.0	4.6	-	0.0	0.0	0.0	0.0	-
133.0	30.0	0.0	114.5	227.2	120.0	1007.3	5.9	0.0	0.0	0.0	0.0	-
133.0	35.0	-	8.1	167.0	7.7	11.0	2.3	-	-	-	-	-
133.0	40.0	766.1	36.8	8.9	0.0	69.2	0.0	-	-	-	-	-
133.0	45.0	-	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	-	0.0	-	-	-	-	-
137.0	23.0	300.7	45.9	0.0	12.3	326.4	221.5	228.0	109.9	0.0	0.0	-
137.0	30.0	41.8	24.3	0.0	53.0	3859.7	42.8	0.0	0.0	0.0	0.0	-
137.0	35.0	-	-	2.6	0.0	2.3	11.2	-	-	-	-	-
137.0	40.0	56.1	360.5	154.2	0.0	33.7	4.7	-	-	-	-	-
137.0	45.0	-	0.0	23.0	0.0	13.9	0.0	-	-	-	-	-
137.0	50.0	0.0	-	3.0	0.0	0.0	0.0	0.0	-	-	-	-
140.0	35.0	5.4	-	-	-	-	-	-	-	-	-	-

Argentina sialis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	38.0	0.0	6.1	9.6	-	-	0.0	0.0	0.0	2.0	5.1	-

TABLE 4. (cont.)

Argentina sialis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	40.0	0.0	4.4	-	-	-	0.0	0.0	0.0	0.0	7.7	-
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	0.0	13.0	0.0	-
85.0	60.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	0.0	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-
93.0	30.0	0.0	5.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	-
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	30.0	4.3	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-
100.0	29.0	-	1.5	1.8	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
103.0	30.0	-	-	0.0	0.0	0.0	-	0.0	8.2	0.0	0.0	-
103.0	35.0	-	-	0.0	0.0	0.0	-	20.7	0.0	0.0	0.0	-
107.0	32.0	-	-	0.0	0.0	0.0	-	32.6	16.7	0.0	0.0	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	14.4	0.0	0.0	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	-
113.0	35.0	0.0	34.6	0.0	0.0	0.0	0.0	0.0	-	0.0	14.0	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	-
115.0	30.0	-	-	-	-	-	-	5.0	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0	0.0	-
117.0	30.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	35.0	0.0	58.1	0.0	0.0	18.6	0.0	0.0	-	0.0	11.3	-
117.0	40.0	3.2	0.0	5.9	0.0	0.0	0.0	4.5	0.0	4.2	2.6	-
117.0	45.0	-	0.0	0.0	4.4	0.0	0.0	-	-	-	-	-
118.0	35.0	-	-	-	-	-	-	3.0	-	-	-	-
118.5	30.0	-	-	-	-	-	-	15.7	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-
120.0	30.0	1.8	5.2	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	4.8	0.0	0.0	8.4	0.0	0.0	0.0	0.0	0.0	-
120.0	40.0	-	0.0	0.0	1.3	0.0	-	-	-	-	-	-
120.0	45.0	3.4	1.5	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	1.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	3.0	-	-	-	-
123.0	45.0	-	-	1.5	0.0	0.0	0.0	-	-	-	-	-
127.0	45.0	-	-	6.6	0.0	0.0	0.0	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	0.0	0.0	0.0	2.2	0.0	-	-	-	-	-
137.0	40.0	0.0	0.0	0.0	0.0	5.2	0.0	-	-	-	-	-

TABLE 4. (cont.)

Microstoma microstoma

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 100.0	-	-	-	-	0.0	0.0	-	-	0.0	2.8	0.0	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0	-
87.0 50.0	-	-	-	1.4	0.0	0.0	-	-	-	-	-	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
93.0 50.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	3.2	0.0	-
97.0 40.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 50.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 70.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.0	0.0	0.0	-
100.0 55.0	-	-	-	-	3.5	0.0	0.0	-	-	-	-	-
100.0 60.0	-	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 65.0	-	-	-	-	0.0	0.0	-	-	-	-	-	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	3.7	3.2	0.0	0.0	0.0	0.0	-
100.0 100.0	-	-	-	3.3	-	0.0	0.0	-	-	-	-	-
103.0 90.0	-	-	-	0.0	2.8	0.0	3.2	-	-	-	-	-
105.0 40.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-
107.0 45.0	-	-	-	-	2.2	0.0	-	-	-	-	-	-
110.0 40.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-
110.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-
113.0 35.0	-	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	0.0	-
113.0 50.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
113.0 55.0	-	-	-	0.0	3.1	0.0	0.0	-	-	-	-	-
120.0 55.0	-	-	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
123.0 40.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0 45.0	-	-	0.0	0.0	0.0	3.0	0.0	-	-	-	-	-
123.0 55.0	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-	-

Nansenia candida

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 90.0	-	-	-	2.1	0.0	0.0	0.0	-	-	-	-	-
80.0 70.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0 80.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-
90.0 53.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 70.0	0.0	2.8	2.8	3.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 90.0	0.0	0.0	0.0	12.5	2.6	0.0	0.0	-	-	-	-	-
90.0 100.0	-	-	-	14.7	-	0.0	0.0	-	-	-	-	-
93.0 65.0	-	-	-	-	16.3	0.0	-	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	3.0	7.0	0.0	-	-	-	-	-
97.0 80.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-
110.0 40.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Nansenia crassa

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	90.0	-	-	0.0	2.8	0.0	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
103.0	70.0	-	-	6.4	0.0	0.0	-	-	-	-	-	-
107.0	45.0	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0	50.0	-	-	3.6	0.0	0.0	-	-	-	-	-	-
110.0	45.0	-	-	-	0.0	2.6	-	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-
110.0	70.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-	-	-	-
110.0	90.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	40.0	3.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	60.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	0.0	6.6	0.0	-	-	-	-	-	-
113.0	70.0	0.0	-	1.5	3.2	0.0	0.0	-	-	-	-	-
117.0	45.0	-	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	1.5	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	0.0	3.3	0.0	-	-	-	-	-
120.0	55.0	-	0.0	0.0	0.0	0.0	5.4	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-
120.0	70.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	45.0	-	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	55.0	-	0.0	0.0	2.6	0.0	-	-	-	-	-	-
127.0	40.0	-	0.0	0.0	0.0	6.4	3.3	2.8	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	5.8	0.0	-	-	-	-	-
127.0	50.0	-	1.6	5.9	0.0	0.0	0.0	3.0	3.3	0.0	0.0	-
127.0	55.0	-	0.0	2.9	0.0	0.0	-	-	-	-	-	-
127.0	60.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	0.0	0.0	5.4	6.0	0.0	-	-	-	-	-
130.0	50.0	-	2.8	0.0	8.5	0.0	5.5	0.0	3.6	0.0	0.0	-
130.0	52.0	5.9	2.6	-	-	-	-	-	-	-	-	-
130.0	55.0	-	0.0	2.9	3.2	0.0	-	-	-	-	-	-
130.0	60.0	0.0	1.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	80.0	9.6	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	40.0	27.1	2.7	0.0	2.7	0.0	0.0	-	-	-	-	-
133.0	50.0	0.0	1.4	0.0	0.0	-	0.0	-	-	-	-	-
137.0	35.0	-	0.0	2.6	0.0	0.0	0.0	-	-	-	-	-
137.0	40.0	2.6	0.0	0.0	0.0	0.0	0.0	5.8	-	-	-	-
137.0	50.0	3.3	-	3.0	0.0	0.0	0.0	-	-	-	-	-
140.0	50.0	2.7	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus ochotensis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	-	-	-	-	5.4	-	-	-	-	-
40.0	70.0	-	-	-	-	-	5.9	-	-	-	-	-
50.0	50.0	-	-	-	-	16.7	0.0	-	-	-	-	-
50.0	60.0	-	-	-	-	-	7.8	-	-	-	-	-
53.0	52.0	-	-	-	-	3.4	-	-	-	-	-	-
53.0	55.0	-	-	-	-	15.3	0.0	-	-	-	-	-
57.0	51.0	-	-	-	-	10.3	0.0	-	-	-	-	-
57.0	55.0	-	-	-	-	8.9	0.0	-	-	-	-	-
60.0	55.0	-	-	0.0	-	0.0	-	0.0	0.0	0.0	2.1	-
60.0	60.0	-	7.9	-	-	11.8	0.0	-	0.0	0.0	0.0	-
60.0	70.0	-	0.0	-	-	5.8	7.0	-	0.0	0.0	0.0	-
60.0	80.0	-	3.4	-	-	-	-	-	0.0	0.0	0.0	-
60.0	100.0	-	-	8.3	-	-	-	-	0.0	0.0	0.0	-
63.0	55.0	-	-	11.4	0.0	8.0	0.0	0.0	-	-	-	-
63.0	60.0	-	-	30.5	17.4	0.0	0.0	-	-	-	-	-
63.0	65.0	-	-	53.4	8.5	0.0	-	-	-	-	-	-
67.0	50.0	-	-	4.5	0.0	-	-	0.0	0.0	-	0.0	-
67.0	55.0	-	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
67.0	65.0	-	105.3	18.8	-	-	-	0.0	0.0	0.0	5.3	-
70.0	51.0	-	-	-	-	0.0	0.0	0.0	0.0	-	2.5	-
70.0	55.0	-	-	-	-	-	-	-	-	-	0.0	-
70.0	60.0	-	-	125.6	0.0	0.0	-	0.0	0.0	0.0	0.0	-
70.0	65.0	-	-	11.4	0.0	19.1	0.0	0.0	-	-	-	-
70.0	70.0	-	-	-	5.7	16.9	11.6	-	-	0.0	2.8	-
70.0	80.0	-	-	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	29.5	14.9	19.1	0.0	0.0	0.0	-	-	-
70.0	100.0	-	-	6.3	0.0	2.6	0.0	-	-	-	-	-
73.0	50.0	-	-	-	8.8	0.0	-	0.0	0.0	-	-	-
73.0	55.0	-	-	3.6	5.0	0.0	0.0	0.0	-	-	-	-
73.0	60.0	-	-	-	11.4	5.8	0.0	-	0.0	-	-	-
77.0	50.0	-	-	2.7	20.8	-	2.5	0.0	0.0	-	-	-
77.0	55.0	-	-	7.5	16.2	0.0	0.0	0.0	0.0	-	-	-
77.0	60.0	-	-	19.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
77.0	65.0	-	-	-	8.7	0.0	0.0	-	-	-	-	-
80.0	51.0	0.0	0.0	17.0	19.1	-	6.6	0.0	0.0	0.0	0.0	-
80.0	55.0	0.0	0.0	47.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	0.0	21.1	5.6	14.3	2.7	0.0	0.0	0.0	0.0	0.0	-
80.0	70.0	0.0	53.7	5.5	2.6	40.7	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	0.0	5.4	23.7	7.4	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	85.0	-	-	19.7	11.5	-	-	-	-	-	-	-
80.0	90.0	5.2	-	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0	43.0	-	-	-	25.3	0.0	-	-	-	-	-	-
83.0	55.0	-	-	2.5	20.6	0.0	-	-	-	-	-	-
83.0	60.0	-	-	5.7	5.8	11.8	-	-	-	-	-	-
83.0	70.0	-	-	21.4	0.0	10.5	-	-	-	-	-	-
83.0	75.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	80.0	-	-	0.0	0.0	2.1	-	-	-	-	-	-
83.0	90.0	-	-	39.1	2.8	0.0	-	-	-	-	-	-
85.0	38.0	1.5	3.2	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	40.0	2.5	2.2	-	-	-	2.6	0.0	0.0	0.0	0.0	-
85.0	45.0	-	-	-	-	-	2.9	-	-	-	-	-
85.0	50.0	1.9	0.0	-	-	-	0.0	0.0	0.0	0.0	2.6	-
85.0	60.0	3.2	2.1	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	70.0	40.9	9.6	-	-	-	0.0	-	-	-	-	-
87.0	55.0	-	-	-	3.1	38.1	-	-	-	-	-	-
87.0	60.0	-	-	2.9	13.7	13.2	-	-	-	-	-	-
87.0	65.0	-	-	-	6.1	-	-	-	-	-	-	-
87.0	70.0	-	-	0.0	17.4	22.4	-	-	-	-	-	-
87.0	75.0	-	-	-	5.8	-	-	-	-	-	-	-
87.0	80.0	-	-	0.0	0.0	2.9	-	-	-	-	-	-
87.0	90.0	-	-	2.6	-	-	-	-	-	-	-	-
90.0	28.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	4.8	4.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	37.0	2.5	2.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	45.0	9.6	2.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	4.6	0.0	11.7	17.5	10.5	6.0	0.0	0.0	0.0	0.0	-
90.0	60.0	0.0	8.5	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	70.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
90.0	100.0	-	-	2.9	-	2.8	0.0	-	-	-	-	-
93.0	27.0	0.0	1.9	12.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	5.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	35.0	-	-	-	9.8	6.4	0.0	-	-	-	-	-
93.0	40.0	0.0	2.4	3.1	0.0	3.0	2.9	0.0	0.0	0.0	0.0	-
93.0	45.0	-	-	-	6.5	0.0	4.6	-	-	-	-	-
93.0	50.0	0.0	2.6	12.5	15.9	2.8	0.0	0.0	0.0	0.0	0.0	-
93.0	60.0	0.0	8.3	2.8	19.6	0.0	0.0	-	-	-	-	-
93.0	70.0	0.0	8.6	3.0	0.0	0.0	0.0	-	-	-	-	-
97.0	32.0	0.0	2.8	5.7	-	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	35.0	-	-	-	14.7	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	5.7	-	-	-	-	-	-
97.0	40.0	0.0	2.6	17.3	12.6	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0	45.0	-	-	-	5.4	0.0	0.0	-	-	-	-	-
97.0	50.0	2.6	5.3	11.9	2.9	1.7	0.0	0.0	0.0	0.0	0.0	-
97.0	60.0	0.0	0.0	0.0	0.0	1.4	0.0	-	-	-	-	-
97.0	65.0	-	-	-	0.0	9.4	-	-	-	-	-	-
97.0	70.0	7.7	4.1	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	-	-	14.3	0.0	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	6.6	0.0	0.0	0.0	-	-	-	-	-
100.0	29.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	1.5	0.0	0.0	0.0	0.0	0.0	-
100.0	40.0	0.0	2.7	0.0	0.0	1.5	3.3	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	50.0	0.0	0.0	26.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-
100.0	60.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-
100.0	80.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
100.0	100.0	-	-	3.3	-	0.0	0.0	-	0.0	0.0	0.0	-
103.0	30.0	-	-	1.9	0.0	0.8	-	0.0	0.0	0.0	0.0	-
103.0	40.0	-	-	3.2	2.7	0.0	-	0.0	0.0	0.0	0.0	-
103.0	50.0	-	-	0.0	2.8	0.0	0.0	-	-	-	-	-
105.0	50.0	0.0	10.6	-	-	-	0.0	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
107.0	35.0	-	-	0.0	0.0	3.2	-	0.0	0.0	0.0	0.0	-
107.0	40.0	-	-	3.2	0.0	0.0	-	0.0	0.0	-	-	-
107.0	50.0	-	-	10.8	0.0	0.0	-	-	-	-	-	-
107.0	55.0	-	-	-	-	6.1	-	-	-	-	-	-
107.0	60.0	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0	80.0	-	-	3.1	0.0	0.0	-	-	-	-	-	-
110.0	35.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	50.0	0.0	0.0	3.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	3.0	0.0	1.5	3.2	0.0	0.0	0.0	-	-	0.0	-
113.0	40.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	50.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	5.6	0.0	0.0	0.0	-	-	-	-	-
113.0	65.0	0.0	0.0	5.8	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	-	3.1	0.0	0.0	0.0	-	-	-	-	-
117.0	35.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	0.0	-
117.0	50.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-
120.0	55.0	-	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-

Bathylagus pacificus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	55.0	-	-	8.2	0.0	0.0	-	0.0	-	0.0	-	-
73.0	60.0	-	-	2.7	0.0	-	0.0	0.0	0.0	0.0	-	-
77.0	55.0	-	-	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	2.8	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	90.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
85.0	60.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
85.0	70.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	-
87.0	35.0	-	-	0.0	0.0	1.4	0.0	-	-	-	-	-
87.0	50.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus pacificus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 37.0	2.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
90.0 60.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Bathylagus wesethi

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 110.0	-	-	-	-	-	-	-	-	2.5	0.0	0.0	-
67.0 65.0	-	-	-	-	-	0.0	0.0	3.3	0.0	0.0	5.3	-
70.0 100.0	-	-	-	-	2.9	2.7	-	-	-	-	-	-
73.0 60.0	-	-	-	0.0	3.0	-	0.0	0.0	0.0	0.0	-	-
77.0 55.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	2.9	-
80.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	3.0	5.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	-
83.0 90.0	-	-	-	0.0	0.0	0.0	0.0	35.0	0.0	3.2	0.0	-
87.0 70.0	-	-	-	4.3	0.0	0.0	-	-	-	-	-	-
87.0 80.0	-	-	-	5.7	0.0	0.0	-	-	-	-	-	-
90.0 53.0	0.0	0.0	0.0	0.0	2.5	0.0	-	0.0	0.0	0.0	0.0	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	1.5	12.1	0.0	0.0	0.0	0.0	-
90.0 65.0	-	-	0.0	9.3	2.7	52.1	27.1	22.8	0.0	0.0	0.0	-
90.0 70.0	0.0	0.0	2.8	75.0	0.0	10.1	-	5.5	0.0	2.7	0.0	-
90.0 75.0	-	-	-	-	-	0.0	7.7	-	-	-	-	-
90.0 80.0	0.0	3.1	8.0	42.1	74.3	-	12.6	-	-	-	-	-
90.0 90.0	0.0	0.0	0.0	32.5	62.1	0.0	0.0	-	-	-	-	-
90.0 100.0	-	-	-	29.3	71.0	19.3	20.0	-	-	-	-	-
93.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
93.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.6	3.0	0.0	0.0	-
93.0 45.0	-	-	-	-	0.0	0.0	27.7	5.5	-	0.0	0.0	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0 55.0	-	-	-	-	0.0	31.5	0.0	-	-	-	-	-
93.0 60.0	0.0	0.0	0.0	27.7	3.3	14.6	0.0	-	-	-	-	-
93.0 65.0	-	-	-	-	32.6	22.8	-	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	9.1	6.0	52.8	55.6	-	-	-	-	-
93.0 75.0	-	-	-	-	28.8	-	-	-	-	-	-	-
93.0 80.0	-	-	-	78.5	16.0	30.5	73.3	-	-	-	-	-
93.0 90.0	-	-	-	43.0	-	-	14.6	-	-	-	-	-
97.0 32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	3.2	0.0	-
97.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	0.0	0.0	0.0	0.0	-
97.0 45.0	-	-	-	-	0.0	2.9	0.0	5.5	5.7	0.0	0.0	-
97.0 50.0	0.0	0.0	0.0	0.0	0.0	1.5	6.5	-	-	-	-	-
97.0 55.0	-	-	-	9.9	3.5	6.1	8.0	-	-	-	-	-
97.0 60.0	0.0	0.0	0.0	19.9	4.1	4.2	5.2	-	-	-	-	-
97.0 70.0	0.0	0.0	12.3	0.0	0.0	0.0	60.4	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	75.0	-	-	-	23.1	-	-	-	-	-	-	-
97.0	80.0	-	-	5.7	21.9	145.4	52.4	-	-	-	-	-
97.0	90.0	-	-	49.3	11.3	16.7	32.2	-	-	-	-	-
100.0	35.0	-	-	-	-	1.5	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	8.9	0.0	0.0	-
100.0	50.0	0.0	0.0	0.0	0.0	7.5	8.2	37.7	0.0	0.0	0.0	-
100.0	55.0	-	-	-	0.0	9.9	16.6	-	-	-	-	-
100.0	60.0	-	14.1	38.4	3.0	4.5	9.0	52.9	11.3	0.0	0.0	-
100.0	65.0	-	-	-	0.0	11.2	-	-	-	-	-	-
100.0	70.0	0.0	4.7	23.3	0.0	75.5	32.2	12.1	0.0	3.3	0.0	-
100.0	75.0	-	-	-	38.8	-	-	-	-	-	-	-
100.0	80.0	0.0	0.0	12.8	11.6	52.0	25.1	22.0	0.0	2.5	0.0	-
100.0	90.0	0.0	5.3	41.1	11.8	33.6	35.0	-	-	-	-	-
100.0	100.0	-	-	29.5	-	0.0	5.9	-	-	-	-	-
103.0	30.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	2.4	-
103.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	2.7	-
103.0	40.0	-	-	0.0	0.0	0.0	-	5.5	2.8	2.3	0.0	-
103.0	60.0	-	-	22.1	5.9	8.4	-	-	-	-	-	-
103.0	65.0	-	-	47.7	13.3	40.3	-	-	-	-	-	-
103.0	70.0	-	-	-	22.2	18.9	-	-	-	-	-	-
103.0	75.0	-	-	3.3	4.8	14.6	-	-	-	-	-	-
103.0	80.0	-	-	31.7	4.6	22.4	-	-	-	-	-	-
103.0	90.0	-	-	-	22.7	5.0	-	-	-	-	-	-
105.0	35.0	0.0	0.0	-	-	-	2.7	-	-	-	-	-
105.0	40.0	0.0	0.0	-	-	-	44.5	-	-	-	-	-
105.0	45.0	-	-	-	-	-	9.8	-	-	-	-	-
105.0	50.0	0.0	0.0	-	-	-	3.3	-	-	-	-	-
105.0	55.0	-	-	-	-	-	19.4	-	-	-	-	-
105.0	60.0	0.0	19.7	-	-	-	16.7	-	-	-	-	-
105.0	70.0	0.0	3.8	-	-	-	63.6	-	-	-	-	-
105.0	80.0	3.0	-	-	-	-	2.4	-	-	-	-	-
105.0	90.0	-	-	-	-	-	12.0	-	-	-	-	-
107.0	32.0	-	-	0.0	0.0	3.5	-	0.0	0.0	0.0	0.0	-
107.0	35.0	-	-	0.0	0.0	6.4	-	5.7	0.0	0.0	0.0	-
107.0	40.0	-	-	0.0	0.0	34.1	-	19.5	6.1	-	-	-
107.0	50.0	-	-	3.6	3.4	9.1	-	-	-	-	-	-
107.0	55.0	-	-	-	-	15.1	-	-	-	-	-	-
107.0	60.0	-	-	17.4	36.0	11.9	-	-	-	-	-	-
107.0	65.0	-	-	-	-	35.9	-	-	-	-	-	-
107.0	70.0	-	-	28.4	45.1	13.5	-	-	-	-	-	-
107.0	80.0	-	-	12.3	13.5	5.9	-	-	-	-	-	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	5.1	0.0	-
110.0	40.0	0.0	2.9	0.0	0.0	52.0	17.4	3.5	3.4	0.0	0.0	-
110.0	45.0	-	-	-	79.0	5.2	-	-	-	-	-	-
110.0	50.0	0.0	26.6	0.0	3.7	14.5	5.1	3.1	19.9	0.0	0.0	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	55.0	-	9.7	28.9	38.4	48.2	35.2	10.8	-	3.0	-	-
110.0	60.0	0.0	-	-	-	29.2	-	-	0.0	-	0.0	-
110.0	65.0	-	-	-	-	101.0	-	-	-	-	-	-
110.0	70.0	0.0	8.0	23.6	38.2	7.1	9.0	-	-	-	-	-
110.0	80.0	0.0	-	3.2	18.4	52.7	25.3	-	-	-	-	-
110.0	90.0	0.0	-	6.9	5.4	93.8	24.2	-	-	-	-	-
113.0	35.0	0.0	0.0	3.0	0.0	0.0	0.0	12.8	-	-	0.0	-
113.0	40.0	0.0	2.8	4.2	21.5	0.0	6.2	25.7	0.0	10.1	0.0	-
113.0	45.0	-	-	8.8	12.6	3.6	5.8	-	-	-	-	-
113.0	50.0	5.9	15.3	6.4	12.7	7.9	7.9	-	-	-	-	-
113.0	55.0	-	-	6.7	34.1	22.7	5.1	-	-	-	-	-
113.0	60.0	0.0	16.4	1.4	22.0	107.3	0.0	-	-	-	-	-
113.0	65.0	-	-	17.9	39.4	48.5	-	-	-	-	-	-
113.0	70.0	0.0	-	9.1	3.2	108.4	0.0	-	-	-	-	-
115.0	35.0	-	-	-	-	-	-	2.6	-	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	3.4	3.5	0.0	4.2	0.0	-
117.0	45.0	-	11.1	0.0	0.0	0.0	2.5	-	-	-	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	8.9	-	-	-	-	-
117.0	55.0	-	0.0	0.0	18.0	0.0	4.3	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	0.0	0.0	31.4	-	-	-	-	-	-
117.0	70.0	0.0	-	5.9	0.0	16.6	9.7	-	-	-	-	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	16.1	3.0	0.0	0.0	0.0	-
120.0	55.0	-	0.0	0.0	0.0	9.4	21.4	-	-	-	-	-
120.0	60.0	0.0	2.7	0.0	14.3	52.0	10.5	0.0	0.0	2.0	4.8	-
120.0	65.0	-	0.0	0.0	2.8	3.3	-	-	-	-	-	-
120.0	70.0	0.0	11.2	15.1	17.0	10.7	34.3	59.2	3.7	0.0	6.3	-
120.0	80.0	0.0	1.9	0.0	2.3	0.0	36.0	0.0	9.2	0.0	0.0	-
120.0	90.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
123.0	45.0	-	0.0	0.0	8.2	12.2	2.5	-	-	-	-	-
123.0	50.0	0.0	0.0	2.8	14.8	3.2	6.2	21.0	0.0	2.4	0.0	-
123.0	55.0	-	8.3	6.0	7.8	3.5	-	-	-	-	-	-
123.0	60.0	0.0	0.0	5.5	6.2	2.9	0.0	-	-	-	-	-
127.0	34.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	45.0	-	5.5	0.0	0.0	5.8	0.0	-	-	-	-	-
127.0	50.0	-	0.0	5.9	6.3	2.9	23.3	23.8	0.0	0.0	0.0	-
127.0	55.0	-	0.0	0.0	0.0	6.2	-	-	-	-	-	-
127.0	60.0	0.0	0.0	0.0	3.2	14.4	12.4	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	2.8	0.0	0.0	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	5.8	11.5	11.7	6.4	0.0	-
130.0	45.0	-	0.0	6.4	5.4	0.0	12.4	-	-	-	-	-
130.0	50.0	0.0	8.3	15.3	11.4	11.8	11.1	3.2	7.1	0.0	0.0	-
130.0	52.0	-	2.6	-	-	-	-	-	-	-	-	-
130.0	55.0	-	2.9	20.2	6.3	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	60.0	0.0	0.0	0.0	0.0	2.5	0.0	2.8	0.0	0.0	3.0	-
130.0	80.0	3.2	-	0.0	-	-	-	-	-	-	-	-
133.0	40.0	0.0	0.0	0.0	2.7	6.0	0.0	-	-	-	-	-
133.0	45.0	-	0.0	0.0	0.0	3.1	7.4	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	-	9.1	-	-	-	-	-
133.0	60.0	0.0	2.7	17.5	-	-	-	-	-	-	-	-
137.0	23.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	40.0	0.0	0.0	0.0	0.0	5.2	0.0	-	-	-	-	-
137.0	45.0	-	0.0	0.0	0.0	2.8	2.0	-	-	-	-	-
137.0	50.0	0.0	-	0.0	0.0	0.0	5.0	0.0	-	-	-	-
137.0	60.0	0.0	0.0	5.3	-	-	-	-	-	-	-	-

Leuroglossus stilbius

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	-	0.0	-	5.8	2.3	-	0.0	0.0	0.0	-
60.0	90.0	-	-	0.0	0.0	0.0	6.0	-	0.0	0.0	0.0	-
63.0	55.0	-	-	0.0	134.2	0.0	0.0	0.0	0.0	0.0	0.0	-
63.0	65.0	-	-	-	0.0	2.8	0.0	-	-	-	-	-
67.0	50.0	-	-	1.5	0.0	0.0	-	0.0	0.0	-	0.0	-
67.0	55.0	-	-	54.2	0.0	0.0	0.0	0.0	0.0	7.0	2.6	-
70.0	51.0	-	-	-	-	-	0.0	0.0	-	-	7.6	-
70.0	55.0	-	-	24.6	0.0	0.0	-	-	-	-	-	-
70.0	60.0	-	-	5.7	0.0	6.4	0.0	0.0	0.0	0.0	0.0	-
70.0	80.0	-	-	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	4.2	0.0	0.0	0.0	-	-	-	-	-
73.0	50.0	-	-	1.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
73.0	55.0	-	-	-	28.6	2.9	0.0	-	-	-	-	-
73.0	60.0	-	-	26.9	3.0	-	2.5	0.0	0.0	0.0	-	-
77.0	50.0	-	-	9.0	59.4	0.0	8.1	0.0	0.0	0.0	-	-
77.0	55.0	-	-	11.9	6.0	12.8	12.2	0.0	0.0	0.0	0.0	-
77.0	60.0	-	-	-	14.6	12.2	61.4	-	-	-	-	-
77.0	65.0	-	-	-	15.9	-	6.6	0.0	0.0	0.0	0.0	-
80.0	51.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	55.0	149.1	45.4	68.9	8.3	0.0	0.0	0.0	0.0	0.0	2.7	-
80.0	60.0	10.0	0.0	19.7	12.0	11.6	13.9	0.0	0.0	0.0	0.0	-
80.0	65.0	-	-	-	-	12.8	0.0	-	3.6	-	-	-
80.0	70.0	2.9	483.1	13.7	0.0	52.4	0.0	0.0	0.0	2.8	0.0	-
80.0	80.0	0.0	134.5	90.1	17.2	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	85.0	-	-	-	20.1	-	-	-	-	-	-	-
80.0	90.0	0.0	-	135.4	85.1	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	100.0	0.0	-	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0	43.0	-	-	-	53.6	30.1	-	-	-	-	-	-
83.0	55.0	-	-	184.0	894.3	0.0	-	-	-	-	-	-
83.0	60.0	-	-	82.9	108.4	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	65.0	-	-	-	11.2	-	-	-	-	-	-	-
83.0	70.0	-	-	72.8	5.8	5.9	-	-	-	-	-	-
83.0	75.0	-	-	-	0.0	10.5	-	-	-	-	-	-
83.0	80.0	-	-	40.8	2.7	2.1	-	-	-	-	-	-
83.0	90.0	-	-	8.7	2.8	0.0	-	-	-	-	-	-
85.0	38.0	357.2	2630.4	-	-	-	0.0	0.0	0.0	0.0	2.6	-
85.0	40.0	315.0	528.2	-	-	-	10.5	0.0	0.0	0.0	7.7	-
85.0	45.0	-	-	-	-	-	14.6	-	-	-	-	-
85.0	50.0	-	-	-	-	-	20.6	3.1	0.0	0.0	0.0	-
85.0	55.0	-	-	-	-	-	6.4	-	-	-	-	-
85.0	60.0	-	-	-	-	-	0.0	0.0	2.8	0.0	2.9	-
85.0	70.0	56.7	26.9	-	-	-	0.0	-	-	-	-	-
85.0	75.0	93.1	0.0	-	-	-	-	-	-	-	-	-
87.0	35.0	-	-	475.0	17.7	11.4	-	-	-	-	-	-
87.0	40.0	-	-	180.2	27.6	36.2	-	-	-	-	-	-
87.0	45.0	-	-	-	42.3	7.3	-	-	-	-	-	-
87.0	50.0	-	-	5.4	106.5	1.6	-	-	-	-	-	-
87.0	55.0	-	-	-	65.1	212.2	-	-	-	-	-	-
87.0	60.0	-	-	249.4	13.7	79.4	-	-	-	-	-	-
87.0	65.0	-	-	-	12.3	-	-	-	-	-	-	-
87.0	70.0	-	-	5.7	69.4	56.0	-	-	-	-	-	-
87.0	80.0	-	-	0.0	0.0	5.8	-	-	-	-	-	-
90.0	28.0	67.0	10.3	269.7	33.1	67.0	11.4	0.0	0.0	0.0	0.0	-
90.0	30.0	183.2	129.1	2405.9	32.7	5.5	43.0	0.0	0.0	0.0	2.7	-
90.0	31.0	-	-	-	-	6.0	-	-	-	-	-	-
90.0	35.0	-	-	-	-	5.9	-	-	-	-	-	-
90.0	37.0	924.5	99.5	2574.8	28.4	81.0	45.6	0.0	0.0	-	5.5	-
90.0	39.0	-	-	-	-	17.8	-	-	-	-	-	-
90.0	45.0	0.0	28.4	549.5	30.5	77.9	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	13.5	136.2	93.4	38.8	36.2	0.0	0.0	0.0	0.0	-
90.0	60.0	27.4	45.1	80.3	0.0	1.4	0.0	0.0	0.0	0.0	2.6	-
93.0	27.0	0.0	29.8	388.8	383.3	47.3	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	14.5	450.0	407.1	451.2	29.1	0.0	0.0	0.0	0.0	2.8	-
93.0	35.0	-	-	-	222.4	106.3	6.3	-	-	-	-	-
93.0	40.0	388.0	21.4	923.9	117.6	74.6	2.9	5.2	3.0	0.0	0.0	-
93.0	45.0	-	-	-	110.2	28.2	9.2	-	-	-	-	-
93.0	50.0	26.0	33.9	34.4	38.0	40.0	31.0	0.0	0.0	0.0	0.0	-
93.0	55.0	-	-	-	148.4	17.5	18.1	-	-	-	-	-
93.0	60.0	0.0	75.1	13.9	88.3	0.0	82.5	-	-	-	-	-
93.0	70.0	0.0	0.0	9.1	0.0	0.0	0.0	-	-	-	-	-
97.0	30.0	0.0	1.7	-	13.3	1.0	0.0	0.0	0.0	-	0.0	-
97.0	32.0	10.5	31.3	485.6	-	6.1	10.3	0.0	0.0	0.0	2.4	-
97.0	35.0	-	-	-	419.5	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	2.8	-	-	-	-	-	-
97.0	40.0	0.0	54.6	633.6	97.7	10.7	9.1	0.0	0.0	3.2	0.0	-
97.0	45.0	-	-	-	48.2	14.7	5.9	-	-	-	-	-
97.0	50.0	0.0	34.7	187.1	2.9	19.5	9.8	0.0	0.0	3.0	0.0	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	55.0	-	-	-	0.0	18.4	0.0	-	-	-	-	-
97.0	60.0	0.0	5.9	105.3	0.0	8.1	5.2	-	-	-	-	-
97.0	65.0	-	-	-	0.0	3.1	-	-	-	-	-	-
97.0	70.0	0.0	8.2	2.8	7.6	0.0	0.0	-	-	-	-	-
97.0	80.0	-	-	59.8	0.0	0.0	2.3	-	-	-	-	-
100.0	29.0	-	59.2	84.5	3.5	0.0	3.2	0.0	0.0	0.0	0.0	-
100.0	30.0	0.0	179.8	67.0	0.0	9.2	5.7	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	39.4	3.1	-	-	-	-	-
100.0	40.0	0.0	24.5	121.9	17.8	50.7	3.3	0.0	0.0	0.0	0.0	-
100.0	45.0	-	-	-	108.6	14.1	0.0	-	-	-	-	-
100.0	50.0	0.0	21.3	770.3	9.1	5.8	8.2	0.0	0.0	0.0	0.0	-
100.0	55.0	-	-	-	13.9	3.3	6.6	-	-	-	-	-
100.0	60.0	0.0	2.0	0.0	35.8	1.5	3.0	0.0	0.0	0.0	0.0	-
100.0	65.0	-	-	-	9.7	0.0	-	0.0	0.0	0.0	0.0	-
100.0	70.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	90.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
100.0	100.0	-	-	6.6	-	0.0	0.0	-	-	-	-	-
103.0	30.0	-	-	67.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	-
103.0	35.0	-	-	137.8	22.8	2.3	-	3.0	0.0	0.0	0.0	-
103.0	40.0	-	-	102.1	18.7	0.0	-	0.0	0.0	0.0	0.0	-
103.0	45.0	-	-	-	45.2	-	-	-	-	-	-	-
103.0	50.0	-	-	106.9	79.5	8.5	-	-	-	-	-	-
103.0	55.0	-	-	-	-	64.1	-	-	-	-	-	-
103.0	60.0	-	-	3.2	3.0	2.8	-	-	-	-	-	-
103.0	90.0	-	-	6.3	0.0	0.0	-	-	-	-	-	-
105.0	32.0	1.4	4.8	-	-	-	0.0	-	-	-	-	-
105.0	35.0	11.0	15.4	-	-	-	0.0	-	-	-	-	-
105.0	40.0	5.7	12.3	-	-	-	0.0	-	-	-	-	-
105.0	45.0	-	-	-	-	-	9.8	-	-	-	-	-
105.0	50.0	0.0	68.9	-	-	-	0.0	-	-	-	-	-
107.0	32.0	-	-	105.3	8.5	0.0	-	0.0	0.0	2.0	0.0	-
107.0	35.0	-	-	67.8	38.9	3.2	-	0.0	0.0	0.0	0.0	-
107.0	40.0	-	-	88.2	2.5	0.0	-	0.0	0.0	-	-	-
107.0	45.0	-	-	-	13.2	68.7	-	-	-	-	-	-
107.0	50.0	-	-	10.8	27.4	0.0	-	-	-	-	-	-
107.0	80.0	-	-	0.0	32.4	0.0	-	-	-	-	-	-
110.0	33.0	0.0	-	23.8	22.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	35.0	10.3	76.2	189.1	74.8	10.9	10.1	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	137.2	205.8	154.0	6.5	0.0	0.0	0.0	0.0	0.0	-
110.0	45.0	-	-	-	4.9	2.6	-	-	-	-	-	-
110.0	50.0	0.0	23.6	171.7	25.9	3.6	0.0	0.0	0.0	0.0	0.0	-
113.0	30.0	0.0	2.7	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	8.9	162.3	109.9	50.7	2.8	14.1	0.0	0.0	0.0	3.5	-
113.0	40.0	6.0	2.8	97.1	0.0	3.2	0.0	0.0	0.0	3.4	0.0	-
113.0	45.0	-	-	26.4	7.6	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	291.6	6.4	31.8	3.9	2.6	-	-	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	55.0	-	-	73.7	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	8.2	7.0	0.0	0.0	0.0	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	30.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	35.0	0.0	33.8	93.0	27.5	0.0	0.0	0.0	-	-	2.3	-
117.0	40.0	0.0	75.0	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	45.0	-	2.8	18.8	8.8	3.2	0.0	-	-	-	-	-
117.0	50.0	0.0	40.1	17.3	21.0	13.2	0.0	-	-	-	-	-
117.0	55.0	-	35.4	3.2	28.9	3.8	0.0	-	-	-	-	-
117.0	60.0	0.0	89.1	16.9	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	77.0	0.0	0.0	-	-	-	-	-	-
117.0	70.0	0.0	-	29.5	0.0	3.3	0.0	-	-	-	-	-
120.0	25.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	30.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	40.0	-	0.0	4.4	0.0	1.9	-	-	-	-	-	-
120.0	45.0	0.0	63.8	22.9	16.3	6.1	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	28.9	61.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	-
120.0	55.0	2.9	8.7	24.2	2.6	0.0	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	9.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	0.0	18.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	37.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	40.0	8.8	16.7	7.7	34.4	9.2	11.0	0.0	0.0	0.0	0.0	-
123.0	45.0	-	27.4	67.2	0.0	15.3	2.5	-	-	-	-	-
123.0	50.0	0.0	26.1	45.1	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
123.0	55.0	-	0.0	17.9	0.0	0.0	-	0.0	-	-	-	-
123.0	60.0	-	3.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	34.0	-	85.7	78.3	51.8	109.1	0.0	0.0	0.0	0.0	-	-
127.0	40.0	-	49.7	43.2	13.5	14.6	5.8	0.0	0.0	0.0	-	-
127.0	45.0	-	12.7	0.0	6.3	0.0	3.3	0.0	0.0	0.0	0.0	-
127.0	50.0	-	5.9	0.0	8.2	0.0	-	0.0	0.0	0.0	-	-
127.0	55.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
127.0	60.0	0.0	3.9	24.6	26.1	3.2	0.0	3.2	0.0	0.0	0.0	-
130.0	35.0	2.9	14.7	49.3	13.5	7.0	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	0.0	0.0	51.4	5.4	6.0	0.0	0.0	0.0	0.0	2.5	-
130.0	45.0	-	3.1	21.5	14.2	2.9	0.0	0.0	0.0	0.0	-	-
130.0	50.0	0.0	2.6	-	-	-	-	-	-	-	-	-
130.0	52.0	-	0.0	95.4	6.3	0.0	-	-	-	-	-	-
130.0	55.0	-	0.0	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	60.0	0.0	0.0	14.4	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	25.0	0.0	7.5	34.1	50.0	6.2	2.9	0.0	0.0	0.0	0.0	-
133.0	30.0	0.0	0.0	8.8	0.0	0.0	0.0	-	-	-	-	-
133.0	35.0	-	5.4	5.6	0.0	0.0	0.0	-	-	-	-	-
133.0	45.0	-	24.5	0.0	-	-	-	-	-	-	-	-
133.0	60.0	0.0	1.3	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-
137.0	30.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 35.0	-	-	-	21.0	7.8	0.0	0.0	-	-	-	-	-
137.0 40.0	0.0	0.0	0.0	41.1	2.5	0.0	0.0	-	-	-	-	-
137.0 45.0	-	-	0.0	8.6	4.6	0.0	0.0	-	-	-	-	-

Stomiiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 75.0	-	-	-	-	11.9	-	-	-	-	-	-	-

Cyclothone spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 90.0	-	-	-	0.0	2.9	0.0	0.0	-	0.0	0.0	0.0	-
60.0 110.0	-	-	-	-	-	-	0.0	-	0.0	2.5	0.0	-
67.0 65.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	2.7	-
70.0 70.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-
77.0 55.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	-
80.0 90.0	0.0	0.0	-	2.8	0.0	0.0	0.0	0.0	18.2	0.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	3.2	16.1	9.3	0.0	3.0	-
83.0 80.0	-	-	-	0.0	2.7	2.1	-	-	-	-	-	-
85.0 60.0	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0	3.0	0.0	-
87.0 70.0	-	-	-	5.7	0.0	0.0	-	-	-	-	-	-
87.0 80.0	-	-	-	3.2	0.0	0.0	-	-	-	-	-	-
90.0 45.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 53.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 60.0	0.0	0.0	2.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 70.0	0.0	0.0	2.8	66.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 75.0	-	-	-	-	14.9	-	-	-	-	-	-	-
90.0 80.0	4.9	0.0	21.2	7.9	74.1	0.0	0.0	-	-	-	-	-
90.0 90.0	0.0	0.0	0.0	10.0	50.0	0.0	0.0	-	-	-	-	-
90.0 100.0	-	-	-	5.9	-	16.5	22.9	-	-	-	-	-
93.0 27.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0 40.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.0	4.6	-
93.0 50.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0 55.0	-	-	-	-	0.0	0.0	6.0	-	-	-	-	-
93.0 65.0	-	-	-	-	0.0	3.3	-	-	-	-	-	-
93.0 70.0	-	0.0	2.8	0.0	3.0	28.2	6.2	-	-	-	-	-
93.0 75.0	-	-	-	-	6.4	-	-	-	-	-	-	-
93.0 80.0	-	-	-	52.4	16.0	26.7	14.1	-	-	-	-	-
93.0 90.0	-	-	-	52.2	-	-	5.8	-	-	-	-	-
97.0 40.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-
97.0 60.0	2.3	0.0	0.0	3.3	4.1	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	70.0	0.0	4.1	2.8	0.0	0.0	0.0	-	-	-	-	-
97.0	75.0	-	-	-	28.9	-	-	-	-	-	-	-
97.0	80.0	-	-	0.0	47.5	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	39.5	0.0	0.0	2.9	-	-	-	-	-
100.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.3	0.0	-
100.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-
100.0	55.0	-	-	-	0.0	0.0	3.3	-	-	-	-	-
100.0	60.0	-	0.0	3.2	0.0	1.5	0.0	6.2	2.8	0.0	0.0	-
100.0	65.0	-	-	-	9.7	0.0	-	-	-	-	-	-
100.0	70.0	1.6	9.5	16.6	0.0	6.0	0.0	8.1	13.2	13.0	0.0	-
100.0	80.0	1.3	2.8	9.6	0.0	10.4	0.0	15.4	0.0	12.5	35.6	-
100.0	90.0	3.5	0.0	0.0	0.0	3.7	13.5	-	-	-	-	-
100.0	100.0	-	-	9.8	-	0.0	17.8	-	-	-	-	-
103.0	35.0	-	-	0.0	0.0	1.2	-	0.0	0.0	0.0	0.0	-
103.0	60.0	-	-	9.5	5.9	0.0	-	-	-	-	-	-
103.0	65.0	-	-	-	2.7	3.7	-	-	-	-	-	-
103.0	70.0	-	-	35.0	3.2	3.2	-	-	-	-	-	-
103.0	75.0	-	-	-	2.4	0.0	-	-	-	-	-	-
103.0	80.0	-	-	0.0	0.0	29.8	-	-	-	-	-	-
103.0	90.0	-	-	0.0	17.0	19.8	-	-	-	-	-	-
105.0	32.0	1.1	0.0	-	-	-	0.0	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
105.0	60.0	2.8	28.2	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	0.0	-	-	-	17.3	-	-	-	-	-
105.0	80.0	0.0	-	-	-	-	2.4	-	-	5.4	0.0	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
107.0	40.0	-	-	0.0	0.0	0.0	-	3.9	0.0	-	-	-
107.0	45.0	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0	50.0	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0	60.0	-	-	10.4	5.1	0.0	-	-	-	-	-	-
107.0	70.0	-	-	22.1	5.3	6.8	-	-	-	-	-	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-
110.0	40.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	-
110.0	45.0	-	-	-	9.9	0.0	-	-	-	-	-	-
110.0	50.0	0.0	8.9	0.0	25.9	0.0	0.0	0.0	0.0	19.5	36.3	-
110.0	60.0	-	0.0	8.7	0.0	3.2	0.0	0.0	0.0	6.0	0.0	-
110.0	65.0	-	-	-	-	15.0	-	-	-	-	-	-
110.0	70.0	2.8	24.1	14.8	0.0	0.0	2.3	-	-	-	-	-
110.0	80.0	6.6	-	6.3	24.6	31.0	17.7	-	-	-	-	-
110.0	90.0	0.0	-	10.4	32.6	43.5	17.6	-	-	-	-	-
113.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	-	0.0	0.0	0.0	0.0	0.0	2.6	-	-	0.0	-
113.0	40.0	-	0.0	0.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	45.0	-	-	5.9	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	50.0	3.0	15.3	16.0	3.2	0.0	0.0	-	-	-	-	-
113.0	55.0	-	-	3.3	0.0	3.2	0.0	-	-	-	-	-
113.0	60.0	2.8	16.4	17.0	0.0	16.3	0.0	-	-	-	-	-
113.0	65.0	-	-	1.4	6.6	0.0	-	-	-	-	-	-
113.0	70.0	0.0	-	1.5	3.2	11.7	0.0	-	-	-	-	-
117.0	35.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	2.1	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
117.0	50.0	3.0	1.5	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	55.0	2.8	3.2	0.0	7.2	0.0	0.0	-	-	-	-	-
117.0	60.0	-	0.0	1.5	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	1.4	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	2.8	-	4.5	3.4	0.0	3.2	-	-	-	-	-
120.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	-
120.0	55.0	-	0.0	3.0	0.0	0.0	9.6	0.0	0.0	-	-	-
120.0	60.0	0.0	12.0	0.0	5.7	6.5	5.4	0.0	0.0	25.7	4.8	-
120.0	65.0	-	3.0	0.0	0.0	16.4	4.2	0.0	0.0	-	-	-
120.0	70.0	0.0	15.5	9.1	6.8	0.0	6.2	0.0	0.0	8.0	0.0	-
120.0	80.0	12.6	0.0	12.2	7.0	3.1	29.4	13.4	9.2	12.0	9.7	-
120.0	90.0	3.5	0.0	0.0	2.9	0.0	0.0	3.4	0.0	24.4	28.9	-
123.0	40.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	50.0	3.1	1.5	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.8	-
123.0	55.0	-	0.0	0.0	0.0	3.5	-	-	-	-	-	-
123.0	60.0	0.0	0.0	2.8	3.1	2.9	0.0	-	-	-	-	-
127.0	45.0	-	0.0	3.3	3.4	0.0	0.0	-	-	-	-	-
127.0	50.0	3.0	1.6	53.1	9.5	5.7	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	-	0.0	0.0	5.4	3.1	-	-	-	-	-	-
127.0	60.0	15.4	2.9	0.0	6.5	5.8	3.1	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	19.3	0.0	2.8	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	35.0	0.0	0.0	-
130.0	45.0	-	0.0	16.1	0.0	0.0	14.8	-	-	-	-	-
130.0	50.0	0.0	2.8	0.0	5.4	3.0	19.4	0.0	7.1	0.0	0.0	-
130.0	55.0	-	5.9	5.8	0.0	5.8	-	-	-	-	-	-
130.0	60.0	2.9	2.7	0.0	0.0	0.0	2.8	0.0	3.1	4.1	12.1	-
130.0	70.0	-	-	-	-	-	-	-	-	-	-	-
130.0	80.0	6.4	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	0.0	2.4	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	30.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
133.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
133.0	45.0	-	0.0	2.8	0.0	0.0	2.5	-	-	-	-	-
137.0	23.0	-	1.1	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
137.0	45.0	1.6	0.0	0.0	2.3	0.0	0.0	0.0	0.0	-	-	-
137.0	50.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	-	-
137.0	60.0	0.0	2.8	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Diplophos taenia

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 60.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Ichthyococcus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0 70.0	0.0	0.0	2.4	3.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-
107.0 70.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-
110.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-
110.0 70.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	-	-	-	-	-
110.0 80.0	0.0	0.0	-	3.2	3.1	0.0	0.0	-	-	-	-	-
113.0 40.0	-	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0 50.0	-	3.0	6.1	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0 55.0	-	-	0.0	0.0	3.6	0.0	0.0	-	-	-	-	-
117.0 60.0	-	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0 70.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-
120.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	2.9	-
123.0 50.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0 55.0	-	-	0.0	3.0	0.0	0.0	-	-	-	-	-	-
127.0 50.0	0.0	-	0.0	0.0	0.0	2.9	0.0	3.0	0.0	0.0	0.0	-
130.0 60.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-

Vinciguerrria lucetia

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0 55.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.5	5.7	-
80.0 90.0	0.0	0.0	-	0.0	0.0	0.0	0.0	21.4	12.2	0.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	13.0	83.4	3.1	61.0	3.0	-
83.0 85.0	-	-	-	-	2.7	-	-	-	-	-	-	-
85.0 60.0	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0	3.0	0.0	-
87.0 55.0	-	-	-	-	0.0	5.4	-	-	-	-	-	-
90.0 28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
90.0 37.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	6.8	0.0	-
90.0 70.0	0.0	0.0	0.0	21.0	-	0.0	0.0	2.7	0.0	11.0	2.7	-
90.0 80.0	0.0	0.0	10.6	31.6	7.2	0.0	0.0	-	-	-	-	-
90.0 90.0	5.7	0.0	0.0	12.5	10.5	0.0	0.0	-	-	-	-	-
90.0 100.0	-	-	-	2.9	-	11.0	45.8	-	-	-	-	-
93.0 30.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	-
93.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2	13.2	0.0	-
93.0 45.0	-	-	-	-	3.2	0.0	0.0	-	-	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	70.0	2.6	0.0	2.8	0.0	52.8	30.9	-	-	-	-	-
93.0	80.0	-	-	15.0	0.0	7.6	25.4	-	-	-	-	-
93.0	90.0	-	-	6.1	-	-	35.0	-	-	-	-	-
97.0	50.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-
97.0	60.0	2.3	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	12.3	42.8	0.0	0.0	0.0	-	-	-	-	-
97.0	75.0	-	-	-	2.9	-	-	-	-	-	-	-
97.0	80.0	-	-	2.8	25.6	3.0	0.0	-	-	-	-	-
97.0	90.0	-	-	3.3	19.7	6.7	17.6	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	8.9	0.0	0.0	-
100.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	-
100.0	55.0	-	-	-	0.0	0.0	3.3	-	-	-	-	-
100.0	60.0	-	2.4	38.4	0.0	0.0	0.0	56.0	25.5	0.0	0.0	-
100.0	65.0	-	-	-	4.8	0.0	-	-	-	-	-	-
100.0	70.0	3.2	0.0	50.0	0.0	3.0	0.0	97.0	118.8	593.3	21.1	-
100.0	80.0	7.8	0.0	3.2	0.0	38.2	11.2	79.2	35.4	137.5	104.9	-
100.0	90.0	8.8	0.0	56.9	3.0	7.5	37.7	-	-	-	-	-
100.0	100.0	-	-	29.5	-	6.6	145.0	-	-	-	-	-
103.0	30.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	2.4	-
103.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	34.8	-
103.0	40.0	-	-	0.0	0.0	0.0	-	0.0	0.0	2.3	2.4	-
103.0	60.0	-	-	75.6	3.0	0.0	-	-	-	-	-	-
103.0	65.0	-	-	73.1	29.3	3.7	-	-	-	-	-	-
103.0	70.0	-	-	-	0.0	12.6	-	-	-	-	-	-
103.0	75.0	-	-	6.6	4.8	11.6	-	-	-	-	-	-
103.0	80.0	-	-	6.6	2.3	82.1	-	-	-	-	-	-
103.0	90.0	-	-	6.3	2.8	37.2	-	-	-	-	-	-
105.0	45.0	-	-	-	-	-	3.3	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
105.0	60.0	17.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	0.0	-	-	-	66.5	-	-	-	-	-
105.0	80.0	0.0	24.4	-	-	-	12.1	-	-	-	-	-
105.0	90.0	-	-	-	-	-	27.1	-	-	-	-	-
107.0	32.0	-	-	0.0	0.0	0.0	-	5.9	0.0	11.7	0.0	-
107.0	35.0	-	-	0.0	0.0	0.0	-	2.8	0.0	147.9	3.1	-
107.0	40.0	-	-	0.0	0.0	3.1	-	0.0	0.0	-	-	-
107.0	45.0	-	-	-	0.0	9.8	-	-	-	-	-	-
107.0	50.0	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0	60.0	-	-	34.7	72.0	0.0	-	-	-	-	-	-
107.0	65.0	-	-	-	-	21.5	-	-	-	-	-	-
107.0	70.0	-	-	56.9	26.5	20.3	-	-	-	-	-	-
107.0	80.0	-	-	12.3	13.5	47.5	-	-	-	-	-	-
110.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	2.5	-
110.0	40.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	3.4	107.8	282.6	-
110.0	45.0	-	-	-	59.3	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	50.0	0.0	3.0	0.0	70.3	0.0	0.0	0.0	205.2	117.2	360.0	-
110.0	55.0	-	-	-	-	11.1	-	-	-	-	-	-
110.0	60.0	0.0	9.7	5.8	5.9	13.0	0.0	3.6	8.8	29.9	20.4	-
110.0	65.0	-	-	-	-	29.9	-	-	-	-	-	-
110.0	70.0	6.1	53.6	17.7	6.9	42.7	47.5	-	-	-	-	-
110.0	80.0	5.4	-	79.0	98.2	83.7	20.2	-	-	-	-	-
110.0	90.0	13.0	60.4	100.3	443.4	187.6	112.2	-	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.5	-
113.0	40.0	0.0	5.5	0.0	0.0	0.0	9.2	3.7	3.3	0.0	0.0	-
113.0	45.0	-	-	5.9	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	15.3	25.5	9.5	3.9	0.0	-	-	-	-	-
113.0	55.0	-	-	13.4	34.1	3.2	0.0	-	-	-	-	-
113.0	60.0	50.4	16.4	14.2	3.1	39.0	0.0	-	-	-	-	-
113.0	65.0	-	-	12.4	6.6	19.4	-	-	-	-	-	-
113.0	70.0	0.0	-	24.1	6.4	52.7	2.9	-	-	-	-	-
115.0	50.0	3.1	-	-	-	-	-	-	-	-	-	-
115.0	60.0	9.4	-	-	-	-	-	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-	-	-
117.0	45.0	3.0	0.0	3.1	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	-	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
117.0	55.0	-	3.2	0.0	10.8	3.8	0.0	-	-	-	-	-
117.0	65.0	-	-	8.3	3.0	18.8	-	-	-	-	-	-
117.0	70.0	0.0	-	1.5	3.4	0.0	0.0	-	-	-	-	-
120.0	35.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	-
120.0	45.0	10.4	4.6	3.0	0.0	0.0	0.0	3.7	0.0	0.0	6.9	-
120.0	50.0	6.3	60.1	0.0	0.0	0.0	16.1	5.9	0.0	38.1	15.1	-
120.0	55.0	-	0.0	0.0	0.0	0.0	8.0	-	-	-	-	-
120.0	60.0	0.0	59.3	0.0	0.0	9.8	48.5	0.0	0.0	437.6	57.8	-
120.0	65.0	-	8.9	0.0	0.0	238.7	-	-	-	-	-	-
120.0	70.0	25.4	15.0	0.0	0.0	21.4	87.4	7.0	7.4	246.5	28.2	-
120.0	80.0	110.3	2.7	3.0	3.4	21.6	552.6	13.4	566.1	19.1	147.6	-
120.0	90.0	46.0	5.5	3.0	41.0	14.9	79.0	344.4	0.0	387.4	211.0	-
123.0	37.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	-
123.0	40.0	0.0	0.0	0.0	3.1	0.0	5.5	0.0	0.0	4.4	3.8	-
123.0	45.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	51.8	7.3	0.0	5.9	0.0	9.2	3.0	0.0	31.2	5.7	-
123.0	55.0	-	11.1	3.0	0.0	3.5	-	-	-	-	-	-
123.0	60.0	14.9	14.4	8.3	3.1	40.2	21.5	-	-	-	-	-
127.0	34.0	1.5	0.8	0.0	0.0	0.0	0.0	0.0	3.4	7.7	0.0	-
127.0	40.0	3.0	6.1	12.5	0.0	0.0	0.0	0.0	26.3	12.0	-	-
127.0	45.0	-	0.0	10.0	3.4	0.0	0.0	-	-	-	-	-
127.0	50.0	26.6	24.4	197.7	6.3	82.9	10.0	0.0	72.2	9.8	6.1	-
127.0	55.0	-	5.9	8.8	24.5	68.6	-	-	-	-	-	-
127.0	60.0	148.3	75.4	34.2	38.8	46.1	791.0	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	8.8	1.6	-
130.0	35.0	1.6	5.8	2.7	13.0	0.0	0.0	19.3	201.5	70.8	8.4	-
130.0	40.0	16.0	49.1	336.4	0.0	0.0	63.8	143.5	236.5	109.5	36.8	-
130.0	45.0	-	251.2	542.5	0.0	0.0	39.5	-	-	-	-	-
130.0	50.0	39.4	17.2	135.1	8.5	100.0	385.0	58.3	149.5	14.2	0.0	-
130.0	52.0	-	15.6	-	-	-	-	-	-	-	-	-
130.0	55.0	-	85.3	17.3	9.5	87.0	-	-	-	-	-	-
130.0	60.0	0.0	42.9	2.9	20.0	423.4	167.4	5.6	47.1	12.4	69.7	-
130.0	70.0	-	-	-	-	-	-	-	-	-	-	-
130.0	80.0	-	0.0	-	-	0.0	-	-	-	-	-	-
133.0	25.0	0.0	0.0	129.6	0.0	0.0	0.0	0.0	0.0	2.6	2.1	-
133.0	30.0	2.9	4.5	176.1	0.0	6.2	0.0	0.0	0.0	0.0	4.0	-
133.0	35.0	-	27.1	219.8	122.9	2.2	0.0	-	-	-	-	-
133.0	40.0	105.4	21.4	205.6	178.2	6.0	4.2	-	-	-	-	-
133.0	45.0	-	32.4	283.8	30.8	18.4	39.4	-	-	-	-	-
133.0	50.0	-	19.9	42.7	21.0	-	281.8	-	-	-	-	-
133.0	60.0	-	0.0	324.1	-	-	-	-	-	-	-	-
137.0	23.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	3.4	42.5	0.0	-
137.0	30.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	18.7	143.1	3.3	-
137.0	35.0	-	-	544.4	0.0	0.0	0.0	-	-	-	-	-
137.0	40.0	-	66.5	472.9	0.0	10.4	0.0	-	-	-	-	-
137.0	45.0	41.1	13.8	23.0	183.2	5.6	0.0	-	-	-	-	-
137.0	50.0	16.5	-	75.0	26.0	580.2	107.1	213.9	-	-	-	-
137.0	60.0	6.4	35.9	109.5	-	-	-	-	-	-	-	-
140.0	30.0	-	-	-	-	-	-	-	-	-	-	-
140.0	35.0	-	-	-	-	-	-	-	-	-	-	-
140.0	40.0	-	-	-	-	-	-	-	-	-	-	-
140.0	50.0	-	-	-	-	-	-	-	-	-	-	-
143.0	26.0	-	-	-	-	-	-	-	-	-	-	-
143.0	30.0	-	-	-	-	-	-	-	-	-	-	-
143.0	35.0	-	-	-	-	-	-	-	-	-	-	-
147.0	20.0	-	-	-	-	-	-	-	-	-	-	-
147.0	30.0	-	-	-	-	-	-	-	-	-	-	-
150.0	25.0	-	-	-	-	-	-	-	-	-	-	-
150.0	30.0	-	-	-	-	-	-	-	-	-	-	-
150.0	40.0	-	-	-	-	-	-	-	-	-	-	-

Sternoptychidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0	65.0	-	-	-	-	14.1	0.0	-	-	-	-	-
87.0	35.0	-	-	1.9	0.0	0.0	-	-	-	-	-	-
87.0	80.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
90.0	28.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	2.4	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
93.0	40.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	65.0	-	-	-	3.3	0.0	-	-	-	-	-	-
93.0	80.0	-	-	0.0	0.0	0.0	5.6	-	-	-	-	-
97.0	40.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	65.0	-	-	-	0.0	3.1	-	-	-	-	-	-
97.0	80.0	-	-	2.8	3.7	0.0	0.0	-	-	-	-	-
100.0	29.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-
100.0	60.0	-	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-
103.0	80.0	-	-	0.0	2.3	3.7	-	-	-	-	-	-
105.0	70.0	0.0	0.0	-	-	-	2.9	-	-	-	-	-
107.0	55.0	-	-	-	-	3.0	-	-	-	-	-	-
107.0	65.0	-	-	-	-	3.6	-	-	-	-	-	-
107.0	70.0	-	-	0.0	2.7	0.0	-	-	-	-	-	-
107.0	80.0	-	-	0.0	2.7	3.0	-	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	0.0	3.6	0.0	-	-	-	-	-
110.0	80.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
110.0	90.0	0.0	-	3.5	0.0	0.0	0.0	-	-	-	-	-
113.0	35.0	-	0.0	1.5	0.0	0.0	0.0	0.0	-	-	0.0	-
113.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	55.0	-	-	0.0	0.0	3.2	0.0	0.0	-	-	-	-
113.0	70.0	0.0	-	0.0	0.0	2.9	0.0	-	-	-	-	-
117.0	30.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	0.0	0.0	3.4	2.7	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	2.2	0.0	-
123.0	45.0	-	3.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
123.0	55.0	-	0.0	0.0	2.6	0.0	-	-	-	-	-	-
127.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	3.4	0.0	0.0	-	-	-	-	-
127.0	55.0	-	0.0	0.0	2.7	0.0	-	-	-	-	-	-
127.0	60.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
130.0	40.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	50.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	55.0	-	2.9	0.0	0.0	0.0	-	-	-	-	-	-
130.0	60.0	3.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
133.0	60.0	0.0	0.0	2.9	-	-	-	-	-	-	-	-
137.0	40.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	0.0	0.0	4.6	0.0	0.0	-	-	-	-	-
137.0	50.0	0.0	0.0	0.0	0.0	3.0	0.0	2.9	-	-	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 60.0	0.0	-	0.0	5.3	-	-	-	-	-	-	-	-
140.0 40.0	-	6.1	-	-	-	-	-	-	-	-	-	-
150.0 40.0	-	3.0	-	-	-	-	-	-	-	-	-	-

Chauliodus macouni

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0 60.0	-	-	-	-	-	-	2.6	-	-	-	-	-
53.0 65.0	-	-	-	-	-	0.0	5.9	-	-	-	-	-
57.0 65.0	-	-	-	-	-	0.0	6.0	-	-	-	-	-
60.0 60.0	-	-	-	0.0	-	0.0	0.0	-	0.0	0.0	3.0	-
60.0 65.0	-	-	-	-	-	6.1	-	-	-	-	-	-
60.0 80.0	-	-	-	0.0	2.8	-	-	-	0.0	2.8	0.0	-
60.0 90.0	-	-	-	0.0	0.0	0.0	12.1	-	3.0	2.4	0.0	-
60.0 100.0	-	-	-	0.0	0.0	0.0	-	-	0.0	2.8	0.0	-
67.0 60.0	-	-	-	-	-	15.3	0.0	-	0.0	-	-	-
67.0 65.0	-	-	-	-	-	0.0	5.6	0.0	0.0	0.0	0.0	-
70.0 60.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
70.0 70.0	-	-	-	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
70.0 80.0	-	-	-	7.4	0.0	0.0	6.2	0.0	0.0	0.0	2.7	-
70.0 90.0	-	-	-	0.0	2.8	2.6	0.0	-	-	-	-	-
70.0 100.0	-	-	-	5.9	0.0	0.0	-	-	-	-	-	-
73.0 55.0	-	-	-	0.0	0.0	2.9	0.0	-	-	-	-	-
77.0 55.0	-	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
77.0 65.0	-	-	-	-	0.0	-	0.0	3.1	0.0	0.0	2.9	-
80.0 55.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0 60.0	0.0	0.0	0.0	2.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	3.6	0.0	0.0	-
80.0 80.0	0.0	0.0	0.0	2.4	0.0	0.0	3.3	5.7	0.0	0.0	0.0	-
80.0 90.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-
83.0 70.0	-	-	-	0.0	2.9	0.0	-	-	-	-	-	-
83.0 80.0	-	-	-	0.0	2.7	0.0	-	-	0.0	0.0	0.0	-
85.0 50.0	0.0	1.9	0.0	-	-	-	0.0	0.0	-	-	-	-
85.0 80.0	-	-	-	-	0.0	-	10.3	-	-	-	-	-
87.0 35.0	-	-	-	0.0	0.0	1.0	-	-	-	-	-	-
87.0 55.0	-	-	-	0.0	0.0	5.4	-	-	-	-	-	-
87.0 60.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
87.0 65.0	-	-	-	-	12.3	-	-	-	-	-	-	-
90.0 37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	-	0.0	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	2.6	-
93.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	1.4	5.2	0.0	0.0	0.0	0.0	-
93.0 55.0	-	-	-	-	0.0	7.0	0.0	-	-	-	-	-
93.0 60.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
93.0 90.0	-	-	-	0.0	-	-	5.8	-	-	-	-	-
97.0 40.0	0.0	0.0	0.0	0.0	3.2	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0 45.0	-	-	-	-	5.4	0.0	0.0	-	-	-	-	-
97.0 50.0	0.0	3.2	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-
97.0 65.0	-	-	-	-	4.0	3.1	-	-	-	-	-	-
97.0 75.0	-	-	-	-	2.9	-	-	-	-	-	-	-
100.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
100.0 45.0	-	-	-	-	0.0	0.0	5.5	-	-	-	-	-
100.0 50.0	-	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 60.0	-	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-
103.0 80.0	-	-	-	0.0	0.0	3.7	-	-	-	-	-	-
105.0 50.0	0.0	0.0	2.7	-	-	-	0.0	-	-	-	-	-
105.0 55.0	-	-	-	-	-	-	2.4	-	-	-	-	-

Idiacanthus antrostomus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0 55.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	11.4	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	6.4	12.0	-
90.0 60.0	0.0	7.5	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
90.0 70.0	0.0	2.8	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 75.0	-	-	-	-	3.0	-	-	-	-	-	-	-
90.0 80.0	2.5	0.0	0.0	0.0	2.4	0.0	0.0	-	-	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
93.0 70.0	0.0	0.0	0.0	0.0	0.0	3.5	3.1	-	-	-	-	-
93.0 80.0	-	-	-	0.0	0.0	0.0	5.6	-	-	-	-	-
97.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-
97.0 80.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
100.0 50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-
100.0 60.0	-	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
100.0 65.0	-	-	-	-	0.0	3.7	-	-	-	-	-	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	2.5	0.0	-
100.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	-	-	-
100.0 100.0	-	-	-	2.3	-	0.0	0.0	-	-	-	-	-
103.0 80.0	-	-	-	0.0	0.0	3.7	-	-	-	-	-	-
107.0 40.0	-	-	-	0.0	0.0	0.0	-	3.9	0.0	-	-	-
107.0 60.0	-	-	-	0.0	0.0	3.0	0.0	-	0.0	-	-	-
110.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-
110.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-

TABLE 4. (cont.)

Aristostomias scintillans

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 70.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 80.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-	-	-	-	-
90.0 90.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-	-	-	-
90.0 100.0	-	-	-	11.7	-	0.0	0.0	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
120.0 25.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0 60.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	-	-	-	-	-

Tactostoma macropus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 110.0	-	-	-	-	-	-	-	-	5.0	0.0	0.0	-
70.0 100.0	-	-	-	-	0.0	5.4	-	-	-	-	-	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
80.0 90.0	0.0	0.0	-	0.0	0.0	0.0	0.0	6.1	9.1	0.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	10.8	3.1	0.0	0.0	-
90.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	-	-	-	-	-
93.0 80.0	-	-	-	0.0	0.0	3.8	2.8	-	-	-	-	-
97.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
97.0 80.0	-	-	-	0.0	0.0	9.1	0.0	-	-	-	-	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
100.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-

Stomias atriventer

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 100.0	0.0	0.0	-	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
90.0 70.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 80.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	-	-	-	-	-
93.0 60.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0 32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.5	0.0	0.0	0.0	-
97.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-
97.0 70.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	-	-	-	-	-
100.0 40.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-
100.0 90.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	-
100.0 100.0	-	-	-	3.3	-	0.0	0.0	-	-	-	-	-
103.0 60.0	-	-	-	0.0	0.0	2.8	-	-	-	-	-	-
103.0 80.0	-	-	-	3.3	0.0	0.0	-	-	-	-	-	-
105.0 35.0	0.0	0.0	0.0	-	-	-	2.7	-	-	-	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
105.0	80.0	6.1	-	3.2	-	-	0.0	-	0.0	-	-	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.6	-
110.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-
110.0	70.0	12.2	0.0	6.3	3.5	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	-	3.5	0.0	0.0	0.0	-	-	-	-	-
110.0	90.0	3.2	-	3.5	0.0	0.0	0.0	-	-	-	-	-
113.0	45.0	-	-	2.9	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	3.1	2.8	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	8.4	2.7	2.7	0.0	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	2.7	0.0	0.0	-	-	-	-	-	-
113.0	70.0	0.0	-	1.5	0.0	0.0	0.0	-	-	-	-	-
117.0	45.0	-	0.0	3.1	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	6.8	0.0	0.0	-	-	-	-	-	-
117.0	70.0	5.7	-	2.9	0.0	3.3	3.2	-	-	-	-	-
120.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	60.0	2.6	10.7	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.4	-
120.0	65.0	-	3.0	5.9	5.5	0.0	-	-	-	-	-	-
120.0	70.0	0.0	1.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	1.9	0.0	0.0	0.0	3.3	0.0	0.0	0.0	2.4	-
120.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-
123.0	45.0	-	0.0	1.5	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	3.1	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
123.0	55.0	-	2.8	9.0	0.0	0.0	-	-	-	-	-	-
123.0	60.0	0.0	2.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	-	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	3.4	0.0	2.9	0.0	0.0	0.0	0.0	-
127.0	50.0	-	6.5	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	-	0.0	5.8	0.0	0.0	0.0	-	-	-	-	-
127.0	60.0	0.0	1.5	0.0	0.0	0.0	3.1	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	0.0	19.3	5.4	3.0	2.5	0.0	8.8	0.0	0.0	-
130.0	50.0	0.0	8.6	21.5	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
130.0	52.0	-	7.8	-	-	-	-	-	-	-	-	-
130.0	55.0	-	5.9	5.8	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
130.0	60.0	0.0	2.7	2.9	0.0	5.0	0.0	0.0	-	0.0	-	-
130.0	80.0	-	-	0.0	-	-	-	-	-	-	-	-
133.0	35.0	-	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
133.0	40.0	2.8	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
133.0	45.0	-	5.4	0.0	0.0	0.0	0.0	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	-	0.0	-	-	-	-	-
133.0	60.0	9.7	0.0	8.8	-	-	0.0	-	-	-	-	-
137.0	35.0	-	-	0.0	0.0	2.3	0.0	-	-	-	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 40.0	0.0	0.0	3.1	20.6	0.0	2.6	0.0	-	-	-	-	-
137.0 50.0	0.0	6.6	-	3.0	0.0	3.0	0.0	2.9	-	-	-	-
137.0 60.0	0.0	-	0.0	2.7	-	-	-	-	-	-	-	-

Paralepididae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0 60.0	-	-	-	-	-	-	2.6	-	-	-	-	-
60.0 55.0	-	-	-	0.0	-	0.0	-	0.0	0.0	0.0	4.1	-
60.0 60.0	-	-	-	0.0	-	0.0	0.0	-	0.0	0.0	3.0	-
60.0 70.0	-	-	-	0.0	-	0.0	0.0	-	0.0	0.0	2.9	-
60.0 80.0	-	-	-	0.0	0.0	-	-	-	0.0	2.8	0.0	-
60.0 90.0	-	-	-	0.0	2.9	0.0	0.0	-	0.0	0.0	0.0	-
60.0 100.0	-	-	-	-	2.8	0.0	-	-	4.4	2.8	0.0	-
60.0 110.0	-	-	-	-	-	-	-	-	0.0	0.0	2.9	-
63.0 55.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	-
67.0 55.0	-	-	-	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	-
67.0 65.0	-	-	-	-	-	6.3	0.0	3.3	0.0	12.4	0.0	-
70.0 70.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-
70.0 80.0	-	-	-	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0 90.0	-	-	-	0.0	2.8	0.0	0.0	-	-	-	-	-
70.0 100.0	-	-	-	-	2.9	0.0	-	-	-	-	-	-
73.0 60.0	-	-	-	0.0	3.0	-	0.0	0.0	0.0	0.0	0.0	-
80.0 55.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0 60.0	0.0	0.0	4.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
80.0 70.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0 80.0	0.0	2.9	0.0	2.4	0.0	2.5	0.0	0.0	0.0	2.5	0.0	-
80.0 90.0	0.0	2.3	-	0.0	2.7	0.0	3.7	0.0	9.1	0.0	0.0	-
80.0 100.0	0.0	0.0	-	5.3	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-
83.0 60.0	-	-	-	0.0	5.2	0.0	-	-	-	-	-	-
83.0 70.0	-	-	-	0.0	2.9	0.0	-	-	-	-	-	-
83.0 75.0	-	-	-	-	2.9	0.0	-	-	-	-	-	-
83.0 80.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-
83.0 85.0	-	-	-	-	5.4	-	-	-	-	-	-	-
83.0 90.0	-	-	-	6.5	0.0	0.0	-	-	-	-	-	-
85.0 38.0	0.0	0.0	3.2	-	-	-	0.0	0.0	0.0	2.0	0.0	-
85.0 60.0	0.0	0.0	2.1	-	-	-	0.0	0.0	0.0	3.0	0.0	-
85.0 70.0	0.0	2.3	0.0	-	-	-	0.0	-	-	-	-	-
87.0 55.0	-	-	-	-	3.1	0.0	-	-	-	-	-	-
87.0 70.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
87.0 80.0	-	-	-	3.2	0.0	0.0	-	-	-	-	-	-
87.0 90.0	-	-	-	7.7	-	-	-	-	-	-	-	-
90.0 30.0	2.4	2.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
90.0 53.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	5.9	0.0	-

TABLE 4. (cont.)

Paralepididae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	60.0	0.0	0.0	0.0	0.0	1.4	5.4	0.0	3.0	0.0	2.6	-
90.0	70.0	0.0	0.0	6.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	75.0	-	-	-	8.9	-	-	-	-	-	-	-
90.0	80.0	0.0	0.0	0.0	4.8	0.0	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	10.0	2.6	5.7	0.0	-	-	-	-	-
90.0	100.0	-	-	2.9	-	2.8	2.9	-	-	-	-	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
93.0	40.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
93.0	50.0	0.0	0.0	3.1	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
93.0	60.0	0.0	0.0	2.8	3.3	1.8	0.0	-	-	-	-	-
93.0	65.0	2.7	-	-	3.3	0.0	-	-	-	-	-	-
93.0	70.0	0.0	0.0	0.0	6.0	10.6	3.1	-	-	-	-	-
93.0	75.0	-	-	7.5	3.2	-	11.3	-	-	-	-	-
93.0	80.0	-	-	0.0	0.0	0.0	5.8	-	-	-	-	-
93.0	90.0	-	-	-	-	2.8	-	-	-	-	-	-
97.0	36.0	-	-	0.0	3.2	0.0	3.0	0.0	0.0	0.0	0.0	-
97.0	40.0	0.0	0.0	0.0	0.0	1.7	3.3	2.8	0.0	0.0	0.0	-
97.0	50.0	0.0	0.0	3.3	0.0	1.6	0.0	-	-	-	-	-
97.0	60.0	0.0	0.0	-	0.0	3.1	-	-	-	-	-	-
97.0	65.0	-	-	0.0	0.0	0.0	3.2	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	3.8	0.0	-	-	-	-	-	-
97.0	75.0	-	-	0.0	2.9	-	16.0	-	-	-	-	-
97.0	80.0	-	-	0.0	0.0	0.0	32.2	-	-	-	-	-
97.0	90.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
100.0	35.0	-	-	-	0.0	1.5	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	0.0	0.0	1.4	0.0	7.5	0.0	0.0	0.0	-
100.0	60.0	2.4	0.0	3.2	0.0	0.0	0.0	6.2	2.8	0.0	0.0	-
100.0	70.0	0.0	2.4	3.3	0.0	6.0	0.0	12.1	0.0	0.0	0.0	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	2.8	8.8	3.2	5.0	0.0	-
100.0	90.0	0.0	0.0	6.3	0.0	0.0	10.8	-	-	-	-	-
100.0	100.0	-	-	6.6	-	0.0	3.0	-	-	-	-	-
103.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	2.7	-
103.0	40.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	2.4	-
103.0	65.0	-	-	0.0	0.0	3.7	-	-	-	-	-	-
103.0	70.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
103.0	75.0	-	-	-	2.4	2.9	-	-	-	-	-	-
105.0	40.0	0.0	0.0	-	-	-	3.2	-	-	-	-	-
105.0	50.0	0.0	0.0	-	-	-	3.3	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
105.0	60.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	2.8	-	-	-	46.2	-	-	-	-	-
105.0	80.0	0.0	0.0	-	-	-	2.4	-	-	-	-	-
107.0	32.0	3.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	1.6	-
107.0	55.0	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0	60.0	-	-	0.0	0.0	7.2	-	-	-	-	-	-
107.0	65.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Paralepididae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0 70.0	-	-	-	6.3	0.0	3.4	-	-	-	-	-	-
107.0 80.0	-	-	-	3.1	0.0	0.0	-	-	-	-	-	-
110.0 40.0	2.9	0.0	5.8	0.0	0.0	0.0	2.5	3.5	3.4	0.0	0.0	-
110.0 50.0	0.0	0.0	5.9	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0 60.0	-	0.0	0.0	0.0	0.0	3.2	0.0	7.2	0.0	0.0	0.0	-
110.0 65.0	-	-	-	-	-	7.5	-	-	-	-	-	-
110.0 70.0	0.0	0.0	5.4	3.0	0.0	7.1	2.3	-	-	-	-	-
110.0 80.0	0.0	0.0	-	3.2	0.0	12.4	0.0	-	-	-	-	-
110.0 90.0	0.0	3.2	-	0.0	0.0	3.3	0.0	-	-	-	-	-
113.0 30.0	-	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0 35.0	-	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-
113.0 45.0	-	-	-	2.9	0.0	0.0	2.9	-	-	-	-	-
113.0 50.0	-	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-
113.0 55.0	-	-	-	3.3	3.1	0.0	0.0	-	-	-	-	-
113.0 60.0	-	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0 65.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
113.0 70.0	-	0.0	-	0.0	3.2	0.0	0.0	-	-	-	0.0	-
117.0 40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-
117.0 45.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0 60.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	-
120.0 70.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	-
120.0 80.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0 55.0	-	-	5.5	0.0	0.0	0.0	-	-	-	-	-	-
130.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-
137.0 50.0	0.0	0.0	-	3.0	0.0	0.0	0.0	0.0	-	-	-	-

Scopelarchidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0 80.0	-	-	-	0.0	0.0	2.9	-	-	-	-	-	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
90.0 100.0	-	-	-	0.0	-	2.8	2.9	-	-	-	-	-
93.0 80.0	-	-	-	0.0	0.0	0.0	2.8	-	-	-	-	-
97.0 90.0	-	-	-	0.0	0.0	0.0	2.9	-	-	-	-	-
100.0 50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	3.0	-
100.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-
100.0 100.0	-	-	-	0.0	-	3.3	3.0	-	-	-	-	-
103.0 70.0	-	-	-	0.0	0.0	3.2	-	-	-	-	-	-
103.0 75.0	-	-	-	-	0.0	2.9	-	-	-	-	-	-
105.0 70.0	0.0	0.0	0.0	-	-	-	5.8	-	-	-	-	-
105.0 90.0	-	-	-	-	-	0.0	3.0	-	-	-	-	-
107.0 60.0	-	-	-	0.0	2.6	0.0	-	-	-	-	-	-
107.0 65.0	-	-	-	-	-	3.6	-	-	-	-	-	-
107.0 70.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Scopelarchidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	80.0	-	-	0.0	5.4	3.0	-	-	-	-	-	-
110.0	60.0	-	0.0	0.0	5.9	0.0	2.9	0.0	0.0	-	0.0	-
110.0	80.0	0.0	-	0.0	6.1	3.1	0.0	-	-	-	-	-
110.0	90.0	0.0	-	0.0	5.4	3.3	2.2	-	-	-	-	-
113.0	55.0	-	-	0.0	6.2	6.5	0.0	-	-	-	-	-
113.0	60.0	-	0.0	0.0	3.1	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	0.0	0.0	3.2	-	-	-	-	-	-
113.0	70.0	-	0.0	0.0	0.0	5.9	0.0	-	-	-	-	-
117.0	55.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	55.0	-	3.2	0.0	0.0	3.1	2.7	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	2.0	0.0	-
120.0	65.0	-	0.0	0.0	0.0	3.3	-	-	-	-	-	-
120.0	80.0	0.0	0.0	0.0	2.3	3.1	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-
123.0	55.0	-	0.0	3.0	0.0	0.0	-	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
127.0	55.0	-	0.0	0.0	0.0	3.1	-	-	-	-	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-
130.0	45.0	-	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	3.2	0.0	0.0	0.0	-
130.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-
137.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-	-	-	-

Myctophidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	70.0	-	-	-	-	-	5.9	-	-	-	-	-
50.0	60.0	-	-	-	-	-	2.6	-	-	-	-	-
57.0	55.0	-	-	-	-	0.0	4.4	-	-	-	-	-
60.0	70.0	-	-	0.0	-	0.0	2.3	-	0.0	0.0	0.0	-
60.0	80.0	-	-	0.0	5.5	-	-	-	0.0	0.0	0.0	-
60.0	90.0	-	-	0.0	2.9	0.0	0.0	-	0.0	0.0	0.0	-
63.0	52.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	-
67.0	65.0	-	-	-	-	0.0	5.6	0.0	0.0	0.0	0.0	-
70.0	60.0	-	-	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	-
73.0	55.0	-	-	-	0.0	2.9	0.0	-	-	-	-	-
77.0	55.0	-	-	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	3.0	2.5	0.0	-
80.0	90.0	0.0	-	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	100.0	0.0	-	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-
83.0	70.0	-	-	0.0	2.9	0.0	-	-	-	-	-	-
83.0	90.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
85.0	60.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	0.0	0.0	-
85.0	90.0	-	-	-	-	-	0.0	0.0	-	-	-	-
85.0	90.0	-	-	-	-	-	6.5	-	-	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	-	-	0.0	0.0	1.4	-	-	-	-	-	-
87.0	50.0	-	-	0.0	1.6	0.0	-	-	-	-	-	-
87.0	65.0	-	-	-	6.1	-	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	5.7	4.8	0.0	0.0	0.0	-
90.0	60.0	0.0	0.0	0.0	0.0	4.3	0.0	2.8	0.0	0.0	0.0	-
90.0	65.0	-	-	-	0.0	10.1	-	-	-	-	-	-
90.0	70.0	0.0	0.0	9.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-
90.0	75.0	-	-	-	3.0	-	-	-	-	-	-	-
90.0	80.0	0.0	0.0	5.3	4.8	0.0	3.2	-	-	-	-	-
90.0	90.0	0.0	0.0	15.0	0.0	0.0	0.0	-	-	-	-	-
90.0	100.0	-	-	11.7	-	0.0	0.0	-	-	-	-	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	-
93.0	35.0	-	-	-	3.3	0.0	0.0	-	-	-	-	-
93.0	50.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
93.0	60.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	-	-	-	-
93.0	70.0	0.0	0.0	0.0	6.0	0.0	0.0	-	-	-	-	-
93.0	75.0	-	-	-	12.8	-	-	-	-	-	-	-
93.0	80.0	-	-	0.0	0.0	3.8	28.2	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	3.2	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	6.5	2.8	0.0	0.0	0.0	-
97.0	60.0	0.0	0.0	9.9	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	75.0	-	-	-	5.8	-	-	-	-	-	-	-
97.0	90.0	-	-	0.0	0.0	0.0	2.9	-	-	-	-	-
100.0	30.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	11.9	0.0	-	-	-	-	-
100.0	45.0	-	-	-	4.7	0.0	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	3.3	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
100.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-
100.0	65.0	-	-	-	0.0	3.7	-	-	-	-	-	-
100.0	80.0	0.0	0.0	6.4	0.0	3.5	11.2	2.2	0.0	0.0	0.0	-
100.0	90.0	0.0	0.0	0.0	0.0	14.9	2.7	-	-	-	-	-
100.0	100.0	-	-	-	-	0.0	0.0	-	-	-	-	-
103.0	30.0	-	-	0.0	0.0	1.6	-	0.0	0.0	0.0	0.0	-
103.0	40.0	-	-	3.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-
103.0	50.0	-	-	11.9	0.0	0.0	-	-	-	-	-	-
103.0	70.0	-	-	3.2	3.2	0.0	-	-	-	-	-	-
103.0	75.0	-	-	-	2.4	2.9	-	-	-	-	-	-
103.0	80.0	-	-	3.3	0.0	0.0	-	-	-	-	-	-
103.0	90.0	-	-	6.3	0.0	0.0	-	-	-	-	-	-
105.0	55.0	-	-	-	-	-	7.3	-	-	-	-	-
105.0	60.0	-	-	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	2.8	-	-	-	11.6	-	-	-	-	-
105.0	70.0	0.0	0.0	3.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-
107.0	32.0	-	-	0.0	8.6	-	-	0.0	0.0	0.0	0.0	-
107.0	35.0	-	-	-	-	0.0	-	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	40.0	-	-	0.0	0.0	0.0	-	3.9	0.0	-	-	-
107.0	50.0	-	-	3.6	0.0	0.0	-	-	-	-	-	-
107.0	55.0	-	-	-	0.0	18.2	-	-	-	-	-	-
107.0	65.0	-	-	-	-	3.6	-	-	-	-	-	-
107.0	80.0	-	-	-	2.7	5.9	-	-	-	-	-	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-
110.0	45.0	-	-	-	9.9	2.6	-	-	-	-	-	-
110.0	55.0	-	-	-	-	11.1	-	-	-	-	-	-
110.0	60.0	-	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	2.7	0.0	9.2	0.0	0.0	-	-	-	-	-
110.0	90.0	0.0	-	20.8	16.3	0.0	0.0	-	-	-	-	-
113.0	30.0	-	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-
117.0	35.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	40.0	0.0	1.5	0.0	2.9	0.0	0.0	1.7	0.0	0.0	0.0	-
117.0	55.0	-	0.0	0.0	3.6	0.0	0.0	-	-	-	-	-
117.0	70.0	-	-	4.5	0.0	0.0	0.0	-	-	-	-	-
120.0	25.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	45.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-
120.0	55.0	-	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-
120.0	60.0	0.0	14.4	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	-
120.0	65.0	-	0.0	0.0	0.0	6.5	-	-	-	-	-	-
120.0	70.0	0.0	1.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	1.3	0.0	0.0	0.0	0.0	13.4	6.1	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	45.0	-	0.0	0.0	4.1	6.1	0.0	-	-	-	-	-
123.0	50.0	6.2	0.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
123.0	55.0	-	8.3	0.0	0.0	0.0	-	-	-	-	-	-
123.0	60.0	0.0	1.3	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	40.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	3.5	0.0	10.1	0.0	0.0	-	-	-	-	-
127.0	55.0	-	-	0.0	2.7	0.0	-	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	3.8	0.0	-
130.0	35.0	0.0	0.0	5.5	0.0	12.7	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	0.0	0.0	2.9	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	2.8	12.8	5.4	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	5.5	3.1	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-
130.0	52.0	-	2.6	-	0.0	-	-	-	-	-	-	-
130.0	55.0	-	0.0	5.8	3.2	0.0	-	-	-	-	-	-
130.0	60.0	0.0	0.0	0.0	2.9	12.6	11.2	0.0	0.0	4.1	0.0	-
130.0	70.0	5.8	-	-	-	-	-	-	-	-	-	-
130.0	80.0	6.4	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	1.2	67.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 30.0	0.0	0.0	0.0	39.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0 35.0	-	-	0.0	8.8	7.7	4.4	0.0	-	-	-	-	-
133.0 40.0	0.0	5.7	0.0	6.0	5.3	0.0	0.0	-	-	-	-	-
133.0 45.0	-	-	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
133.0 50.0	0.0	-	2.7	0.0	0.0	-	6.1	-	-	-	-	-
133.0 60.0	20.5	-	5.4	52.6	-	-	-	-	-	-	-	-
137.0 35.0	-	-	-	60.5	0.0	0.0	2.2	-	-	-	-	-
137.0 40.0	0.0	0.0	0.0	10.3	2.5	0.0	0.0	-	-	-	-	-
137.0 45.0	-	-	5.5	2.9	4.6	0.0	0.0	-	-	-	-	-
137.0 50.0	0.0	0.0	-	3.0	0.0	5.9	0.0	0.0	-	-	-	-
137.0 60.0	0.0	-	2.8	5.3	-	-	-	-	-	-	-	-
140.0 40.0	-	6.1	-	-	-	-	-	-	-	-	-	-
143.0 30.0	-	5.7	-	-	-	-	-	-	-	-	-	-
150.0 40.0	-	3.0	-	-	-	-	-	-	-	-	-	-

Ceratoscopelus townsendi

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	40.4	12.4	0.0	3.0	-
87.0 70.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
87.0 80.0	-	-	-	3.2	0.0	0.0	-	-	-	-	-	-
90.0 60.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
90.0 70.0	0.0	2.8	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 75.0	-	-	-	-	17.8	-	-	-	-	-	-	-
90.0 80.0	0.0	0.0	5.3	0.0	7.2	0.0	0.0	-	-	-	-	-
90.0 90.0	2.8	0.0	0.0	2.5	2.6	0.0	0.0	-	-	-	-	-
90.0 100.0	-	-	-	8.8	-	5.5	8.6	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	-	-	-	-	-
97.0 55.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
97.0 70.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-	-	-	-
97.0 75.0	-	-	-	0.0	2.9	-	-	-	-	-	-	-
97.0 80.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
100.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
100.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	-
100.0 70.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	29.3	0.0	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	6.9	16.7	2.2	0.0	0.0	39.6	-
100.0 90.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-
100.0 100.0	-	-	-	0.0	-	0.0	20.7	-	-	-	-	-
103.0 70.0	-	-	-	9.5	0.0	3.2	-	-	-	-	-	-
103.0 75.0	-	-	-	-	2.4	0.0	-	-	-	-	-	-
103.0 90.0	-	-	-	0.0	0.0	9.9	-	-	-	-	-	-
105.0 70.0	0.0	0.0	0.0	-	-	-	26.0	-	-	-	-	-
107.0 80.0	-	-	-	0.0	0.0	3.0	-	-	-	-	-	-
110.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
110.0	70.0	2.8	0.0	0.0	0.0	0.0	4.5	-	-	-	-	-
110.0	80.0	3.3	-	3.2	30.7	3.1	2.5	-	-	-	-	-
110.0	90.0	0.0	-	0.0	27.2	3.3	4.4	-	-	-	-	-
113.0	50.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	2.4	-
120.0	65.0	-	0.0	0.0	0.0	3.3	-	-	-	-	-	-
120.0	70.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	5.3	3.1	-
120.0	80.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	-
120.0	90.0	0.0	0.0	0.0	0.0	0.0	4.2	10.2	0.0	9.1	20.2	-
123.0	40.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	60.0	0.0	4.6	0.0	0.0	0.0	0.0	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	3.2	0.0	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
130.0	55.0	-	0.0	2.9	0.0	0.0	-	-	-	-	-	-
130.0	80.0	3.2	-	-	0.0	3.0	0.0	0.0	-	-	-	-
137.0	50.0	0.0	-	6.0	0.0	-	-	-	-	-	-	-
137.0	60.0	0.0	2.8	0.0	-	-	-	-	-	-	-	-

Diaphus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	-	-	-	-	5.4	-	-	-	-	-
40.0	70.0	-	-	-	-	-	95.0	-	-	-	-	-
40.0	90.0	-	-	-	-	-	12.3	-	-	-	-	-
47.0	60.0	-	-	-	-	-	6.4	-	-	-	-	-
50.0	55.0	-	-	-	-	-	24.6	-	-	-	-	-
50.0	60.0	-	-	-	-	-	23.3	-	-	-	-	-
50.0	70.0	-	-	-	-	-	44.0	-	-	-	-	-
53.0	60.0	-	-	-	-	-	17.3	-	-	-	-	-
53.0	65.0	-	-	-	-	0.0	76.4	-	-	-	-	-
60.0	80.0	-	-	0.0	157.9	-	-	-	13.0	0.0	0.0	-
60.0	90.0	-	-	0.0	5.8	39.6	6.0	-	0.0	0.0	0.0	-
60.0	100.0	-	-	-	0.0	6.4	-	-	2.2	0.0	0.0	-
60.0	110.0	-	-	-	-	-	-	-	0.0	2.5	0.0	-
63.0	55.0	-	-	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-
63.0	60.0	-	-	0.0	0.0	0.0	7.3	-	-	-	-	-
63.0	65.0	-	-	0.0	0.0	0.0	10.6	-	-	-	-	-
67.0	60.0	-	-	-	-	0.0	3.2	-	-	-	-	-
67.0	65.0	-	-	-	-	0.0	39.1	9.9	0.0	0.0	0.0	-
70.0	60.0	-	-	0.0	0.0	0.0	54.9	23.7	0.0	0.0	0.0	-
70.0	65.0	-	-	-	0.0	5.6	0.0	-	-	-	-	-
70.0	70.0	-	-	0.0	45.5	12.6	38.9	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 75.0	-	-	-	-	-	12.4	-	-	-	-	-	-
70.0 80.0	-	-	-	0.0	0.0	31.9	43.4	5.2	0.0	0.0	0.0	-
70.0 90.0	-	-	-	0.0	11.2	0.0	3.2	-	-	-	-	-
70.0 100.0	-	-	-	-	5.9	0.0	-	-	-	0.0	-	-
73.0 60.0	-	-	-	0.0	0.0	0.0	5.1	21.9	0.0	-	-	-
77.0 50.0	-	-	-	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	-
77.0 55.0	-	-	-	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	-
77.0 65.0	-	-	-	0.0	0.0	-	13.2	0.0	9.8	0.0	0.0	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.0	0.0	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	49.6	11.8	5.7	0.0	0.0	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.0	3.0	0.0	0.0	-
80.0 90.0	0.0	0.0	-	0.0	0.0	2.7	7.5	0.0	33.4	0.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	18.8	12.4	0.0	0.0	-
83.0 60.0	-	-	-	0.0	0.0	3.5	-	-	-	-	-	-
85.0 60.0	0.0	0.0	0.0	-	-	-	0.0	0.0	2.8	9.0	0.0	-
85.0 80.0	-	-	-	-	-	-	7.7	-	-	-	-	-
85.0 90.0	-	-	-	-	-	-	32.4	-	-	-	-	-
90.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-
90.0 37.0	0.0	0.0	0.0	0.0	1.3	0.0	2.7	0.0	2.8	0.0	0.0	-
90.0 53.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-
90.0 60.0	0.0	0.0	0.0	0.0	3.3	6.3	48.8	2.8	32.9	2.3	2.6	-
90.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.7	0.0	0.0	0.0	-
90.0 80.0	0.0	0.0	0.0	0.0	0.0	8.6	3.2	-	-	-	-	-
90.0 90.0	0.0	0.0	0.0	0.0	0.0	8.3	22.9	-	-	-	-	-
90.0 100.0	-	-	-	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	-
93.0 27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	-
93.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0	-
93.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	-	0.0	0.0	0.0	-
93.0 45.0	-	-	-	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	19.6	-	-	-	-	-	-
93.0 65.0	-	-	-	6.5	6.5	7.0	0.0	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	6.4	3.8	5.6	-	-	-	-	-
93.0 80.0	-	-	-	0.0	-	-	14.6	-	-	-	-	-
93.0 90.0	-	-	-	0.0	-	0.0	0.0	7.6	0.0	0.0	0.0	-
97.0 32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-	-	-
97.0 36.0	-	-	-	-	-	2.8	-	-	-	-	-	-
97.0 40.0	0.0	0.0	0.0	0.0	0.0	1.5	42.7	5.7	0.0	0.0	0.0	-
97.0 45.0	-	-	-	0.0	0.0	0.0	5.9	-	-	-	-	-
97.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	58.9	0.0	0.0	3.0	0.0	-
97.0 55.0	-	-	-	0.0	0.0	22.0	42.9	-	-	-	-	-
97.0 65.0	-	-	-	0.0	0.0	3.2	44.5	-	-	-	-	-
97.0 70.0	0.0	0.0	0.0	0.0	3.8	27.3	330.6	-	-	-	-	-
97.0 80.0	-	-	-	0.0	0.0	0.0	5.9	-	-	-	-	-
97.0 90.0	-	-	-	0.0	0.0	1.5	0.0	-	-	-	-	-
100.0 35.0	-	-	-	-	-	0.0	0.0	-	-	-	-	-
100.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.3	26.7	0.0	0.0	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0 50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	-
100.0 55.0	-	-	-	-	0.0	0.0	6.6	-	-	-	-	-
100.0 60.0	-	0.0	0.0	0.0	0.0	4.6	0.0	3.1	0.0	0.0	0.0	-
100.0 65.0	-	-	-	-	0.0	14.9	-	-	-	-	-	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	9.1	3.2	0.0	0.0	0.0	0.0	-
100.0 80.0	0.0	0.0	0.0	0.0	2.3	0.0	8.4	0.0	0.0	0.0	0.0	-
100.0 90.0	0.0	0.0	0.0	0.0	0.0	3.7	32.3	-	-	-	-	-
100.0 100.0	-	-	-	3.3	-	0.0	0.0	-	-	-	-	-
103.0 35.0	-	-	-	0.0	0.0	0.0	-	3.0	0.0	0.0	0.0	-
103.0 40.0	-	-	-	0.0	0.0	0.0	-	0.0	2.8	2.3	0.0	-
103.0 45.0	-	-	-	-	4.5	-	-	-	-	-	-	-
103.0 50.0	-	-	-	0.0	2.8	0.0	-	-	-	-	-	-
103.0 60.0	-	-	-	0.0	5.9	0.0	-	-	-	-	-	-
103.0 65.0	-	-	-	0.0	0.0	22.0	-	-	-	-	-	-
103.0 90.0	-	-	-	0.0	5.7	0.0	-	-	-	-	-	-
105.0 40.0	0.0	0.0	0.0	-	-	-	12.7	-	-	-	-	-
105.0 55.0	-	-	-	-	-	-	24.3	-	-	-	-	-
105.0 60.0	0.0	0.0	0.0	-	-	-	11.1	-	-	-	-	-
107.0 32.0	-	-	-	0.0	0.0	0.0	-	0.0	0.0	2.0	0.0	-
107.0 35.0	-	-	-	0.0	0.0	0.0	-	0.0	0.0	2.7	0.0	-
107.0 45.0	-	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0 50.0	-	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0 55.0	-	-	-	-	-	14.9	-	-	-	-	-	-
107.0 60.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-	-
107.0 80.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-
110.0 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-
110.0 55.0	-	-	-	-	-	7.4	-	-	-	-	-	-
110.0 60.0	-	0.0	0.0	0.0	0.0	3.2	2.9	0.0	0.0	0.0	0.0	-
113.0 40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.3	0.0	0.0	-
113.0 45.0	-	-	-	0.0	0.0	0.0	5.8	-	-	-	-	-
113.0 60.0	-	0.0	0.0	0.0	0.0	3.3	0.0	-	-	-	-	-
115.0 35.0	0.0	-	-	-	-	-	-	2.6	-	-	-	-
117.0 35.0	-	0.0	0.0	0.0	0.0	0.0	0.0	7.0	-	-	0.0	-
117.0 40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	-
120.0 55.0	-	-	0.0	0.0	0.0	0.0	8.0	-	-	-	-	-
123.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-
127.0 50.0	0.0	-	0.0	0.0	0.0	0.0	3.3	3.0	0.0	0.0	0.0	-

Lampadena urophaos

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	19.6	0.0	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-
100.0 100.0	-	-	-	0.0	-	0.0	5.9	-	-	-	-	-

TABLE 4. (cont.)

Lampadena urophaos (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	-	-	0.0	0.0	3.2	-	-	-	-	-	-
107.0	80.0	-	-	0.0	8.1	0.0	-	-	-	-	-	-
110.0	80.0	0.0	-	3.2	0.0	3.1	2.5	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	2.4	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-
120.0	90.0	3.5	0.0	0.0	0.0	0.0	0.0	10.2	0.0	33.5	0.0	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	-
130.0	60.0	0.0	0.0	0.0	0.0	2.5	5.6	0.0	3.6	0.0	0.0	-
137.0	45.0	-	2.8	0.0	0.0	0.0	0.0	-	0.0	-	-	-

Lampanyctus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	70.0	-	-	-	-	-	5.9	-	-	-	-	-
40.0	80.0	-	-	-	-	-	6.4	-	-	-	-	-
50.0	60.0	-	-	-	-	-	5.2	-	-	-	-	-
50.0	70.0	-	-	-	-	-	8.8	-	-	-	-	-
53.0	65.0	-	-	-	-	0.0	5.9	-	-	-	-	-
60.0	60.0	-	-	0.0	-	0.0	14.6	-	0.0	0.0	0.0	-
60.0	70.0	-	-	0.0	-	0.0	7.0	-	0.0	0.0	0.0	-
60.0	80.0	-	-	0.0	-	0.0	-	-	6.5	2.8	2.8	-
60.0	90.0	-	-	0.0	5.5	0.0	6.0	-	5.9	0.0	0.0	-
60.0	100.0	-	-	0.0	2.8	0.0	-	-	0.0	0.0	0.0	-
60.0	110.0	-	-	-	-	-	-	-	0.0	2.5	0.0	-
63.0	60.0	-	-	-	0.0	0.0	7.3	-	0.0	0.0	2.7	-
67.0	65.0	-	-	-	-	0.0	5.6	6.6	0.0	-	0.0	-
70.0	51.0	-	-	-	-	6.4	0.0	11.0	0.0	-	0.0	-
70.0	60.0	-	-	0.0	0.0	6.3	6.9	11.8	0.0	0.0	2.7	-
70.0	70.0	-	-	0.0	0.0	6.2	15.6	6.3	0.0	0.0	0.0	-
70.0	75.0	-	-	-	-	6.4	-	-	-	-	-	-
70.0	80.0	-	-	2.5	5.0	2.6	9.3	2.6	0.0	0.0	0.0	-
70.0	90.0	-	-	8.4	8.4	2.6	0.0	-	-	-	-	-
70.0	100.0	-	-	-	14.7	16.1	-	-	-	-	-	-
73.0	55.0	-	-	-	0.0	11.7	0.0	-	-	-	-	-
73.0	60.0	-	-	0.0	8.9	-	5.1	0.0	0.0	0.0	-	-
77.0	50.0	-	-	0.0	0.0	0.0	13.5	0.0	0.0	-	-	-
77.0	55.0	-	-	2.4	3.0	0.0	0.0	18.6	0.0	0.0	0.0	-
77.0	60.0	-	-	-	26.2	0.0	0.0	-	-	-	-	-
77.0	65.0	-	-	-	22.3	-	6.6	0.0	0.0	0.0	0.0	-
80.0	60.0	0.0	0.0	2.8	2.4	5.8	0.0	0.0	0.0	0.0	0.0	-
80.0	70.0	0.0	9.8	8.2	0.0	10.1	14.6	3.0	0.0	2.8	0.0	-
80.0	80.0	5.2	0.0	7.1	9.8	5.3	20.0	11.4	3.0	0.0	0.0	-
80.0	90.0	2.6	4.5	2.8	8.0	-	0.0	3.1	9.1	0.0	0.0	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	100.0	0.0	0.0	0.0	2.7	5.6	0.0	8.1	9.3	0.0	0.0	-
83.0	55.0	-	-	0.0	3.2	5.0	-	-	-	-	-	-
83.0	60.0	-	-	0.0	10.3	7.0	-	-	-	-	-	-
83.0	65.0	-	-	-	22.3	-	-	-	-	-	-	-
83.0	70.0	-	-	0.0	17.5	2.9	-	-	-	-	-	-
83.0	75.0	-	-	-	14.6	10.5	-	-	-	-	-	-
83.0	80.0	-	-	14.4	21.9	46.6	-	-	-	-	-	-
83.0	85.0	-	-	10.9	8.1	-	-	-	-	-	-	-
83.0	90.0	-	-	-	5.6	24.8	-	-	-	-	-	-
85.0	38.0	0.0	3.2	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	40.0	0.0	6.6	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	60.0	0.0	0.0	-	-	-	0.0	0.0	2.8	6.0	0.0	-
85.0	70.0	0.0	0.0	-	-	-	2.7	0.0	-	-	-	-
85.0	80.0	-	-	-	-	-	2.6	-	-	-	-	-
85.0	90.0	-	-	-	-	-	13.0	-	-	-	-	-
87.0	50.0	-	-	2.7	4.8	0.0	-	-	-	-	-	-
87.0	55.0	-	-	9.3	59.8	-	-	-	-	-	-	-
87.0	60.0	-	-	13.7	0.0	-	-	-	-	-	-	-
87.0	65.0	-	-	55.3	-	-	-	-	-	-	-	-
87.0	70.0	-	-	52.1	11.2	-	-	-	-	-	-	-
87.0	75.0	-	-	5.8	-	-	-	-	-	-	-	-
87.0	80.0	-	-	4.9	2.9	-	-	-	-	-	-	-
87.0	90.0	-	-	3.2	-	-	-	-	-	-	-	-
90.0	30.0	0.0	0.0	2.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-
90.0	31.0	-	-	0.0	-	3.0	-	-	-	-	-	-
90.0	33.0	-	-	-	-	5.6	-	-	-	-	-	-
90.0	37.0	0.0	0.0	2.6	0.0	2.7	0.0	0.0	0.0	-	0.0	-
90.0	41.0	-	-	-	-	3.1	-	-	-	-	-	-
90.0	45.0	0.0	0.0	3.3	2.3	0.0	3.1	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	0.0	23.3	11.7	33.1	0.0	0.0	2.9	0.0	0.0	-
90.0	60.0	0.0	0.0	3.1	5.5	24.2	5.4	2.8	6.0	2.3	0.0	-
90.0	65.0	-	-	-	0.0	3.4	-	-	-	-	-	-
90.0	70.0	0.0	5.7	60.0	-	12.6	0.0	2.7	2.7	0.0	2.7	-
90.0	75.0	-	-	26.7	-	-	-	-	-	-	-	-
90.0	80.0	4.9	23.9	10.5	12.0	2.8	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	10.0	15.8	8.6	5.9	-	-	-	-	-
90.0	100.0	-	-	38.1	-	5.5	11.4	-	-	-	-	-
93.0	30.0	0.0	0.0	5.9	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
93.0	35.0	-	-	-	6.5	9.7	0.0	-	-	-	-	-
93.0	40.0	0.0	0.0	3.1	0.0	22.4	14.3	0.0	6.1	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	23.1	-	-	-	-	-
93.0	50.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	55.0	-	-	-	5.8	66.5	12.1	-	-	-	-	-
93.0	60.0	2.6	0.0	8.3	29.4	4.9	5.5	-	-	-	-	-
93.0	65.0	-	-	-	19.6	26.1	-	-	-	-	-	-
93.0	70.0	10.2	0.0	33.4	0.0	31.7	6.2	-	-	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	80.0	-	-	74.8	6.4	7.6	0.0	-	-	-	-	-
93.0	90.0	-	-	43.0	-	-	2.9	-	-	-	-	-
97.0	32.0	0.0	14.3	2.8	-	0.0	0.0	2.5	0.0	0.0	2.4	-
97.0	35.0	-	-	-	11.0	-	-	-	-	-	-	-
97.0	40.0	0.0	2.6	2.9	0.0	4.6	21.4	0.0	0.0	0.0	0.0	-
97.0	45.0	-	-	-	5.4	2.9	0.0	-	-	-	-	-
97.0	50.0	0.0	2.7	3.0	14.3	14.4	6.5	0.0	0.0	0.0	0.0	-
97.0	55.0	-	-	-	10.5	24.5	18.8	0.0	-	-	-	-
97.0	60.0	22.6	11.8	13.2	4.1	15.1	5.2	-	-	-	-	-
97.0	65.0	-	-	-	4.0	40.8	-	-	-	-	-	-
97.0	70.0	5.7	8.2	2.8	11.5	12.8	3.2	-	-	-	-	-
97.0	75.0	-	-	-	8.7	-	-	-	-	-	-	-
97.0	80.0	-	-	17.1	18.3	21.2	31.9	-	-	-	-	-
97.0	90.0	-	-	23.0	2.8	0.0	8.8	-	-	-	-	-
100.0	29.0	-	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-
100.0	30.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	8.9	0.0	-	-	-	-	-
100.0	40.0	5.4	8.2	0.0	0.0	1.5	0.0	2.3	0.0	0.0	0.0	-
100.0	45.0	-	-	-	0.0	3.5	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	13.0	4.6	4.4	0.0	0.0	0.0	0.0	0.0	-
100.0	55.0	-	-	-	3.5	3.3	6.6	-	-	-	-	-
100.0	60.0	0.0	4.0	22.4	8.9	9.0	6.0	0.0	2.8	0.0	0.0	-
100.0	65.0	-	-	-	4.8	7.4	-	-	-	-	-	-
100.0	70.0	0.0	7.1	13.3	0.0	3.0	6.4	0.0	5.3	3.3	0.0	-
100.0	80.0	5.6	8.5	9.6	0.0	0.0	2.8	11.0	3.2	0.0	4.0	-
100.0	90.0	0.0	2.7	22.1	5.9	0.0	5.4	-	-	-	-	-
100.0	100.0	-	-	16.4	-	6.6	11.8	-	-	-	-	-
103.0	35.0	-	-	0.0	2.8	2.3	-	0.0	0.0	0.0	0.0	-
103.0	40.0	-	-	16.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
103.0	45.0	-	-	-	4.5	-	-	-	-	-	-	-
103.0	50.0	-	-	3.0	14.2	5.6	-	-	-	-	-	-
103.0	55.0	-	-	-	-	3.8	-	-	-	-	-	-
103.0	60.0	-	-	3.2	8.9	14.0	-	-	-	-	-	-
103.0	65.0	-	-	-	2.7	0.0	-	-	-	-	-	-
103.0	70.0	-	-	12.7	0.0	0.0	-	-	-	-	-	-
103.0	75.0	-	-	-	4.8	0.0	-	-	-	-	-	-
103.0	80.0	-	-	6.6	0.0	7.5	-	-	-	-	-	-
103.0	90.0	-	-	0.0	19.9	14.9	-	-	-	-	-	-
105.0	32.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	35.0	0.0	0.0	-	-	-	2.7	-	-	-	-	-
105.0	40.0	2.9	2.5	-	-	-	6.4	-	-	-	-	-
105.0	45.0	-	-	-	-	-	3.3	-	-	-	-	-
105.0	50.0	2.4	2.7	-	-	-	6.7	-	-	-	-	-
105.0	55.0	-	-	-	-	-	19.4	-	-	-	-	-
105.0	60.0	6.1	2.8	-	-	-	5.6	-	-	-	-	-
105.0	70.0	5.4	3.8	-	-	-	5.8	-	-	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
105.0	80.0	3.0	-	-	8.5	0.0	2.4	-	0.0	-	-	-
107.0	32.0	-	-	0.0	8.5	0.0	-	0.0	0.0	0.0	0.0	-
107.0	35.0	-	-	3.0	4.3	3.2	-	0.0	0.0	0.0	0.0	-
107.0	40.0	-	-	0.0	2.5	0.0	-	0.0	0.0	-	-	-
107.0	45.0	-	-	-	2.2	13.1	-	-	-	-	-	-
107.0	50.0	-	-	7.2	0.0	6.0	-	-	-	-	-	-
107.0	55.0	-	-	-	-	3.0	-	-	-	-	-	-
107.0	60.0	-	-	3.5	2.6	8.9	-	-	-	-	-	-
107.0	65.0	-	-	-	-	7.2	-	-	-	-	-	-
107.0	70.0	-	-	12.6	0.0	3.4	-	-	-	-	-	-
107.0	80.0	-	-	9.2	10.8	0.0	-	-	-	-	-	-
110.0	33.0	2.8	-	0.0	0.0	3.9	0.0	0.0	3.1	0.0	0.0	-
110.0	35.0	5.2	0.0	9.3	0.0	5.5	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	10.1	14.6	3.3	2.8	0.0	2.5	0.0	0.0	0.0	0.0	-
110.0	45.0	-	-	-	9.9	0.0	-	-	-	-	-	-
110.0	50.0	3.1	11.8	11.8	22.2	0.0	0.0	0.0	2.8	0.0	2.6	-
110.0	60.0	0.0	2.4	2.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	65.0	-	-	-	-	15.0	-	-	-	-	-	-
110.0	70.0	6.1	21.4	11.8	3.5	0.0	2.3	-	-	-	-	-
110.0	80.0	5.4	-	12.6	3.1	3.1	10.1	-	-	-	-	-
110.0	90.0	3.2	-	13.8	0.0	3.3	6.6	-	-	-	-	-
113.0	35.0	8.9	5.3	10.7	3.2	0.0	0.0	0.0	-	0.0	0.0	-
113.0	40.0	30.0	0.0	8.7	3.1	6.5	0.0	7.3	0.0	-	0.0	-
113.0	45.0	-	-	8.8	5.1	3.6	2.9	-	-	-	-	-
113.0	50.0	11.8	27.6	3.2	9.5	11.8	0.0	-	-	-	-	-
113.0	55.0	-	-	16.8	43.4	0.0	5.1	-	-	-	-	-
113.0	60.0	8.4	38.4	7.1	0.0	3.3	0.0	-	-	-	-	-
113.0	65.0	-	-	19.6	6.6	3.2	0.0	-	-	-	-	-
113.0	70.0	2.7	-	7.7	6.4	8.8	0.0	0.0	-	-	-	-
115.0	50.0	-	-	-	-	-	-	-	-	-	-	-
115.0	55.0	2.9	-	-	-	-	-	-	-	-	-	-
115.0	60.0	3.1	-	-	-	-	-	-	-	-	-	-
115.0	65.0	3.1	-	-	-	-	-	-	-	-	-	-
117.0	35.0	0.0	1.6	6.0	0.0	0.0	0.0	2.3	-	-	0.0	-
117.0	40.0	3.2	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	45.0	-	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	1.5	5.8	2.6	3.8	0.0	-	-	-	-	-
117.0	55.0	-	9.7	6.4	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	3.1	2.6	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	4.1	3.0	9.4	0.0	-	-	-	-	-
117.0	70.0	0.0	-	10.3	0.0	6.6	0.0	-	-	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	7.7	0.0	0.0	2.8	6.4	0.0	0.0	0.0	0.0	-
120.0	55.0	-	0.0	3.0	0.0	0.0	2.7	0.0	0.0	2.0	2.4	-
120.0	60.0	0.0	14.7	0.0	5.7	6.5	0.0	0.0	0.0	2.0	-	-
120.0	65.0	-	0.0	3.0	2.8	16.4	-	0.0	-	-	-	-
120.0	70.0	3.2	23.9	9.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	80.0	6.3	11.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
123.0	40.0	1.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	45.0	-	-	0.0	0.0	4.1	0.0	-	-	-	-	-
123.0	50.0	3.1	10.4	1.2	5.6	3.0	0.0	0.0	0.0	0.0	0.0	-
123.0	55.0	-	-	0.0	14.9	0.0	-	-	-	-	-	-
123.0	60.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	34.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	-
127.0	40.0	0.0	-	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	-	0.0	3.4	0.0	0.0	-	-	-	-	-
127.0	50.0	-	-	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	5.9	-	0.0	17.5	0.0	-	-	-	-	-	-
127.0	60.0	6.2	8.6	6.1	0.0	2.9	3.1	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	35.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	5.9	0.0	0.0	2.9	0.0	0.0	8.6	0.0	3.2	1.6	-
130.0	45.0	-	-	0.0	2.7	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	2.9	11.4	21.5	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	52.0	-	-	7.8	-	-	-	-	-	-	-	-
130.0	55.0	-	-	0.0	2.9	2.9	-	0.0	-	-	-	-
130.0	60.0	15.1	2.9	2.9	0.0	12.6	0.0	0.0	3.1	0.0	9.1	-
130.0	70.0	12.9	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	1.5	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	40.0	6.8	0.0	2.7	5.3	0.0	0.0	-	-	-	-	-
133.0	45.0	-	-	8.1	8.4	0.0	0.0	-	-	-	-	-
133.0	50.0	-	-	1.4	8.0	0.0	0.0	-	-	-	-	-
133.0	60.0	3.2	-	5.4	5.8	-	-	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	-
137.0	35.0	-	-	-	2.6	0.0	0.0	-	-	-	-	-
137.0	40.0	0.0	2.6	3.1	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	2.9	6.6	0.0	2.3	0.0	0.0	8.7	-	-	-	-
137.0	60.0	0.0	-	13.4	0.0	11.8	0.0	-	-	-	-	-
140.0	35.0	-	2.7	-	-	-	-	-	-	-	-	-
140.0	40.0	-	15.1	-	-	-	-	-	-	-	-	-
140.0	50.0	-	21.8	-	-	-	-	-	-	-	-	-
150.0	30.0	-	19.8	-	-	-	-	-	-	-	-	-
150.0	40.0	-	6.0	-	-	-	-	-	-	-	-	-

Notolynchus valdiviae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	100.0	-	-	0.0	-	8.3	0.0	-	-	-	-	-

TABLE 4. (cont.)

Notolychnus valdiviae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 55.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
97.0 80.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
100.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	-	-	-

Notoscopelus resplendens

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 100.0	-	-	-	0.0	-	0.0	2.9	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-	-	-	-
97.0 80.0	-	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
120.0 55.0	-	-	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-

Stenobranchius leucopsarus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0 50.0	-	-	-	-	-	-	8.8	-	-	-	-	-
40.0 60.0	-	-	-	-	-	-	32.2	-	-	-	-	-
40.0 70.0	-	-	-	-	-	-	41.6	-	-	-	-	-
40.0 80.0	-	-	-	-	-	-	6.4	-	-	-	-	-
47.0 50.0	-	-	-	-	-	-	11.0	-	-	-	-	-
47.0 60.0	-	-	-	-	-	-	6.4	-	-	-	-	-
50.0 50.0	-	-	-	-	175.6	0.0	0.0	-	-	-	-	-
50.0 55.0	-	-	-	-	-	24.6	24.6	-	-	-	-	-
50.0 60.0	-	-	-	-	-	5.2	5.2	-	-	-	-	-
53.0 52.0	-	-	-	-	20.5	-	-	-	-	-	-	-
53.0 55.0	-	-	-	-	19.1	22.8	22.8	-	-	-	-	-
53.0 60.0	-	-	-	-	-	11.6	11.6	-	-	-	-	-
53.0 65.0	-	-	-	-	28.2	5.9	5.9	-	-	-	-	-
57.0 55.0	-	-	-	-	82.1	4.4	4.4	-	-	-	-	-
57.0 65.0	-	-	-	-	88.0	6.0	6.0	-	-	-	-	-
60.0 55.0	-	-	-	28.1	-	7.8	-	0.0	0.0	0.0	0.0	-
60.0 60.0	-	-	-	221.8	-	47.0	0.0	-	0.0	0.0	27.0	-
60.0 65.0	-	-	-	-	-	195.2	-	-	0.0	0.0	-	-
60.0 70.0	-	-	-	11.8	-	17.5	4.6	-	0.0	0.0	-	-
60.0 80.0	-	-	-	0.0	88.6	-	-	-	0.0	0.0	2.9	-
60.0 90.0	-	-	-	8.7	8.7	11.3	0.0	-	0.0	0.0	0.0	-
60.0 100.0	-	-	-	0.0	0.0	3.2	-	-	0.0	0.0	0.0	-
60.0 110.0	-	-	-	-	-	-	-	-	0.0	0.0	2.9	-
63.0 55.0	-	-	-	0.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	-
63.0 60.0	-	-	-	-	106.8	58.0	0.0	-	-	-	-	-
63.0 65.0	-	-	-	-	35.7	0.0	0.0	-	-	-	-	-
67.0 50.0	-	-	-	11.8	0.0	0.0	-	0.0	0.0	-	8.6	-
67.0 55.0	-	-	-	24.1	12.5	0.0	17.2	0.0	0.0	7.0	2.6	-
67.0 65.0	-	-	-	-	-	14.4	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	51.0	-	-	19.1	-	-	0.0	0.0	0.0	-	32.9	-
70.0	55.0	-	-	40.0	5.6	0.0	-	-	-	-	-	-
70.0	60.0	-	-	-	48.2	6.4	0.0	0.0	0.0	0.0	18.7	-
70.0	65.0	-	-	-	5.7	22.5	0.0	-	-	-	-	-
70.0	70.0	-	-	8.8	68.3	37.7	31.1	0.0	0.0	0.0	2.8	-
70.0	80.0	-	-	110.7	19.8	0.0	0.0	0.0	0.0	0.0	11.0	-
70.0	90.0	-	-	150.5	8.4	0.0	0.0	-	-	-	-	-
73.0	50.0	-	-	2.4	2.5	0.0	0.0	0.0	0.0	2.8	-	-
73.0	55.0	-	-	-	11.4	14.6	10.0	-	-	-	-	-
73.0	60.0	-	-	8.1	38.6	-	2.5	0.0	0.0	0.0	-	-
77.0	50.0	-	-	15.0	48.6	0.0	8.1	0.0	0.0	0.0	-	-
77.0	55.0	-	-	80.9	0.0	51.4	0.0	0.0	0.0	0.0	2.9	-
77.0	60.0	-	-	-	14.6	36.6	0.0	-	-	-	-	-
77.0	65.0	-	-	-	47.7	-	13.2	24.2	0.0	0.0	16.2	-
80.0	51.0	6.9	0.0	62.5	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-
80.0	55.0	113.1	0.0	58.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	20.1	151.9	33.7	19.1	34.7	0.0	0.0	0.0	0.0	2.7	-
80.0	70.0	29.2	356.2	139.7	2.6	46.6	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	67.6	188.3	519.0	19.7	2.5	0.0	2.8	0.0	0.0	0.0	-
80.0	85.0	-	-	-	25.8	-	-	-	-	-	-	-
80.0	90.0	31.2	299.3	256.6	10.6	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	100.0	33.8	2.8	10.5	18.8	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	110.0	2.4	-	-	-	-	-	-	-	-	-	-
83.0	43.0	-	-	-	10.7	4.8	-	-	-	-	-	-
83.0	55.0	-	-	80.6	82.2	30.1	-	-	-	-	-	-
83.0	60.0	-	-	42.9	67.1	0.0	-	-	-	-	-	-
83.0	65.0	-	-	-	22.3	-	-	-	-	-	-	-
83.0	70.0	-	-	77.0	32.0	2.9	-	-	-	-	-	-
83.0	75.0	-	-	-	5.8	10.5	-	-	-	-	-	-
83.0	80.0	-	-	57.6	30.1	23.3	-	-	-	-	-	-
83.0	85.0	-	-	-	8.1	-	-	-	-	-	-	-
83.0	90.0	-	-	71.6	2.8	0.0	-	-	-	-	-	-
85.0	38.0	9.0	432.0	-	-	-	0.0	0.0	0.0	0.0	2.6	-
85.0	40.0	141.7	1387.9	-	-	-	2.6	0.0	0.0	0.0	0.0	-
85.0	50.0	5.4	90.6	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	60.0	393.7	35.2	-	-	-	0.0	0.0	0.0	3.0	0.0	-
85.0	70.0	36.5	1103.2	-	-	-	0.0	0.0	-	-	-	-
85.0	90.0	-	-	-	-	-	6.5	-	-	-	-	-
87.0	35.0	-	-	400.9	0.0	22.2	-	-	-	-	-	-
87.0	40.0	-	-	21.1	3.1	4.8	-	-	-	-	-	-
87.0	45.0	-	-	-	0.0	9.7	-	-	-	-	-	-
87.0	50.0	-	-	10.9	25.4	3.2	-	-	-	-	-	-
87.0	55.0	-	-	-	24.8	119.7	-	-	-	-	-	-
87.0	60.0	-	-	84.1	68.6	79.4	-	-	-	-	-	-
87.0	65.0	-	-	-	159.6	-	-	-	-	-	-	-
87.0	70.0	-	-	25.8	121.5	44.8	-	-	-	-	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	75.0	-	-	-	17.3	-	-	-	-	-	-	-
87.0	80.0	-	-	9.6	4.9	5.8	-	-	-	-	-	-
87.0	90.0	-	-	10.3	-	-	-	-	-	-	-	-
83.6	28.0	30.7	0.0	58.9	20.4	39.0	0.0	0.0	0.0	0.0	0.0	-
67.8	108.4	108.4	88.4	1048.6	13.1	17.6	6.1	0.0	0.0	0.0	0.0	-
90.0	31.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	35.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	37.0	241.9	53.8	1117.1	31.5	85.9	10.7	0.0	0.0	-	0.0	-
90.0	39.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	41.0	-	-	-	-	3.1	-	-	-	-	-	-
90.0	45.0	8.1	71.0	142.3	94.0	18.3	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	6.8	66.1	52.6	10.5	12.1	0.0	0.0	3.0	0.0	-
90.0	60.0	2.3	59.2	15.4	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-
90.0	70.0	2.5	28.1	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	80.0	12.4	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	27.0	1.4	40.9	288.0	5.2	47.3	2.8	2.6	0.0	0.0	0.0	-
93.0	30.0	26.9	80.0	94.4	339.2	49.3	0.0	0.0	0.0	0.0	0.0	-
93.0	35.0	-	-	-	117.7	32.2	0.0	-	-	-	-	-
93.0	40.0	124.8	289.2	52.4	114.3	47.6	0.0	0.0	0.0	0.0	0.0	-
93.0	45.0	-	-	-	61.6	7.1	4.6	-	-	-	-	-
93.0	50.0	14.0	52.0	138.3	103.3	6.6	0.0	0.0	0.0	0.0	0.0	-
93.0	55.0	-	-	-	43.7	28.0	0.0	-	-	-	-	-
93.0	60.0	2.6	57.5	52.6	36.0	0.0	0.0	-	-	-	-	-
93.0	65.0	-	-	-	0.0	6.5	0.0	-	-	-	-	-
93.0	70.0	0.0	14.3	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	21.5	0.0	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	-	-	0.0	-	-	-	-	-
97.0	30.0	0.0	5.4	6.8	11.6	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	32.0	50.6	49.8	17.1	106.7	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	35.0	-	-	-	-	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	8.5	-	-	-	-	-	-
97.0	40.0	6.1	0.0	89.3	12.6	7.7	0.0	0.0	0.0	0.0	0.0	-
97.0	45.0	-	-	-	53.6	14.7	0.0	-	-	-	-	-
97.0	50.0	7.7	6.3	53.5	0.0	6.7	0.0	0.0	0.0	0.0	0.0	-
97.0	55.0	-	-	-	0.0	39.8	16.1	-	-	-	-	-
97.0	60.0	4.6	22.6	19.7	0.0	34.2	5.2	-	-	-	-	-
97.0	65.0	-	-	-	0.0	22.0	-	-	-	-	-	-
97.0	70.0	18.1	0.0	16.4	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	-	-	19.9	0.0	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	39.5	0.0	0.0	0.0	-	-	-	-	-
100.0	29.0	-	-	40.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	30.0	-	59.3	13.4	9.5	1.3	5.7	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	4.2	9.4	-	-	-	-	-
100.0	40.0	12.9	341.5	43.5	7.6	44.9	0.0	0.0	0.0	0.0	0.0	-
100.0	45.0	-	-	-	18.9	17.6	5.5	-	-	-	-	-
100.0	50.0	-	2.5	84.5	16.0	0.0	10.9	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	60.0	-	2.0	0.0	6.0	1.5	0.0	0.0	0.0	0.0	0.0	-
100.0	70.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	90.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
100.0	100.0	-	-	19.7	-	0.0	0.0	-	-	-	-	-
103.0	30.0	-	-	74.4	21.3	0.8	-	0.0	0.0	0.0	0.0	-
103.0	35.0	-	-	26.2	0.0	16.6	-	0.0	0.0	0.0	0.0	-
103.0	40.0	-	-	25.5	5.3	0.0	-	0.0	0.0	0.0	0.0	-
103.0	50.0	-	-	14.2	0.0	0.0	-	-	-	-	-	-
103.0	60.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
103.0	80.0	-	-	16.5	0.0	0.0	-	-	-	-	-	-
103.0	90.0	-	-	9.5	0.0	0.0	-	-	-	-	-	-
105.0	32.0	12.6	17.5	-	-	-	5.4	-	-	-	-	-
105.0	35.0	2.8	7.7	-	-	-	0.0	-	-	-	-	-
105.0	40.0	5.7	4.9	-	-	-	0.0	-	-	-	-	-
107.0	32.0	-	-	67.0	102.2	0.0	-	0.0	0.0	0.0	0.0	-
107.0	35.0	-	-	5.9	8.6	0.0	-	0.0	0.0	0.0	0.0	-
107.0	40.0	-	-	12.6	0.0	0.0	-	0.0	0.0	-	-	-
107.0	50.0	-	-	17.9	3.4	0.0	-	-	-	-	-	-
110.0	33.0	-	-	92.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	35.0	10.3	27.2	117.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	29.2	19.9	53.2	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	50.0	0.0	14.8	3.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	8.9	0.0	0.0	0.0	-	-	-	-	-
113.0	30.0	1.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	8.9	21.3	0.0	0.0	0.0	0.0	0.0	-	-	-	-
113.0	45.0	-	-	5.9	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	3.0	0.0	9.6	3.2	0.0	0.0	-	-	-	-	-
117.0	26.0	0.0	-	6.2	0.0	0.0	0.0	-	-	-	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	-
120.0	30.0	0.0	7.8	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	55.0	-	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
123.0	45.0	-	0.0	5.8	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	40.0	-	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Triphoturus mexicanus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.6	0.0	-
85.0	38.0	0.0	0.0	-	-	-	0.0	28.2	1.1	2.0	0.0	-
85.0	40.0	0.0	0.0	-	-	-	0.0	7.9	2.7	0.0	0.0	-
85.0	45.0	-	-	-	-	-	2.9	-	-	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	50.0	0.0	0.0	-	-	-	10.3	3.1	23.3	0.0	0.0	-
87.0	35.0	-	-	0.0	0.0	5.7	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	3.8	11.4	9.6	7.0	0.0	0.0	-
90.0	30.0	0.0	0.0	0.0	0.0	5.9	0.0	2.8	15.4	0.0	0.0	-
90.0	35.0	-	-	-	-	0.7	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	0.0	0.0	21.4	10.9	11.0	-	5.5	-
90.0	45.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	3.0	-
90.0	53.0	0.0	0.0	0.0	0.0	3.0	0.0	5.8	0.0	0.0	2.8	-
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.0	0.0	0.0	-
90.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
90.0	75.0	-	-	-	3.0	-	-	-	-	-	-	-
90.0	80.0	0.0	0.0	2.6	7.2	2.8	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	0.0	2.6	2.9	0.0	-	-	-	-	-
90.0	100.0	-	-	0.0	-	24.8	11.4	-	-	-	-	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	125.4	0.8	16.9	5.9	-
93.0	30.0	0.0	0.0	0.0	0.0	7.4	30.6	54.0	6.8	0.0	2.8	-
93.0	35.0	-	-	-	3.3	0.0	0.0	-	-	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	4.7	8.6	18.2	75.8	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	4.6	-	-	0.0	-	-
93.0	50.0	0.0	0.0	12.5	0.0	0.0	10.3	5.5	17.7	0.0	0.0	-
93.0	55.0	-	-	2.8	0.0	0.0	6.0	-	-	-	-	-
93.0	60.0	0.0	0.0	0.0	9.8	7.3	0.0	-	-	-	-	-
93.0	65.0	-	-	0.0	0.0	9.8	-	-	-	-	-	-
93.0	70.0	0.0	0.0	0.0	12.0	38.7	74.2	-	-	-	-	-
93.0	80.0	-	-	18.7	9.6	3.8	16.9	-	-	-	-	-
93.0	90.0	-	-	21.5	-	-	14.6	-	-	-	-	-
97.0	30.0	0.0	0.0	-	0.0	0.0	2.0	0.0	4.0	-	0.0	-
97.0	32.0	0.0	0.0	0.0	-	0.0	37.6	60.7	61.2	25.4	29.0	-
97.0	36.0	-	-	-	-	8.5	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	9.5	1.5	39.6	131.6	11.5	73.4	23.9	-
97.0	45.0	-	-	-	0.0	0.0	53.3	-	-	-	-	-
97.0	50.0	0.0	0.0	0.0	0.0	1.5	19.6	0.0	0.0	23.6	9.2	-
97.0	55.0	-	-	-	0.0	6.1	2.7	-	-	-	-	-
97.0	60.0	0.0	0.0	13.2	8.3	1.6	0.0	-	-	-	-	-
97.0	65.0	-	-	-	15.9	34.5	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	42.0	6.4	0.0	-	-	-	-	-
97.0	75.0	-	-	-	150.3	-	-	-	-	-	-	-
97.0	80.0	-	-	-	54.8	9.1	31.9	-	-	-	-	-
97.0	90.0	-	-	0.0	47.9	30.1	14.7	-	-	-	-	-
100.0	29.0	-	-	0.0	0.0	0.0	0.0	0.0	40.3	15.6	2.5	-
100.0	30.0	-	0.0	0.0	0.0	5.9	0.0	5.4	63.6	44.8	13.0	-
100.0	35.0	0.0	0.0	0.0	0.0	247.1	12.5	-	-	-	-	-
100.0	40.0	-	-	3.8	5.1	17.5	139.9	113.7	29.7	23.4	0.0	-
100.0	45.0	-	-	-	18.9	10.6	202.8	-	-	-	-	-
100.0	50.0	0.0	0.0	0.0	9.1	24.4	171.4	20.1	6.2	53.6	0.0	-
100.0	55.0	-	-	-	0.0	53.0	156.0	-	-	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	60.0	-	0.0	51.2	38.7	16.6	44.8	9.3	2.8	14.8	12.8	-
100.0	65.0	-	-	-	14.6	11.2	-	-	-	-	-	-
100.0	70.0	0.0	0.0	26.6	0.0	21.1	3.2	8.1	29.0	58.7	3.0	-
100.0	75.0	-	-	-	27.2	-	-	-	-	-	-	-
100.0	80.0	0.0	0.0	25.7	4.6	20.8	8.4	8.8	19.3	0.0	0.0	-
100.0	90.0	0.0	0.0	28.4	14.8	7.5	13.5	-	-	-	-	-
100.0	100.0	-	-	13.1	-	16.6	14.8	-	-	-	-	-
103.0	30.0	-	-	0.0	0.0	6.5	-	6.1	107.1	7.5	4.8	-
103.0	35.0	-	-	0.0	8.6	8.7	-	77.0	17.2	2.2	21.4	-
103.0	40.0	-	-	9.6	5.3	2.8	-	180.8	25.6	48.1	2.4	-
103.0	45.0	-	-	-	6.8	-	-	-	-	-	-	-
103.0	50.0	-	-	0.0	11.4	22.6	-	-	-	-	-	-
103.0	55.0	-	-	-	-	45.2	-	-	-	-	-	-
103.0	60.0	-	-	12.6	106.6	14.0	-	-	-	-	-	-
103.0	65.0	-	-	-	53.2	7.3	-	-	-	-	-	-
103.0	70.0	-	-	19.1	47.6	9.5	-	-	-	-	-	-
103.0	75.0	-	-	-	2.4	17.5	-	-	-	-	-	-
103.0	80.0	-	-	0.0	9.1	82.1	-	-	-	-	-	-
103.0	90.0	-	-	3.2	88.0	22.3	-	-	-	-	-	-
105.0	32.0	1.1	0.0	-	-	-	0.0	-	-	-	-	-
105.0	35.0	0.0	0.0	-	-	-	27.1	-	-	-	-	-
105.0	40.0	0.0	0.0	-	-	-	9.5	-	-	-	-	-
105.0	45.0	-	-	-	-	-	29.5	-	-	-	-	-
105.0	50.0	0.0	0.0	-	-	-	30.1	-	-	-	-	-
105.0	55.0	-	-	-	-	-	29.2	-	-	-	-	-
105.0	60.0	0.0	2.8	-	-	-	19.5	-	-	-	-	-
105.0	70.0	0.0	0.0	-	-	-	80.9	-	-	-	-	-
105.0	80.0	2.4	0.0	-	-	-	16.9	-	-	-	-	-
105.0	90.0	-	-	-	-	-	12.0	-	-	-	-	-
107.0	32.0	-	-	16.0	12.8	3.5	-	17.8	0.0	11.7	0.0	-
107.0	35.0	-	-	0.0	82.1	48.2	-	19.9	7.2	0.0	3.1	-
107.0	40.0	-	-	0.0	14.8	34.1	-	7.8	24.6	-	-	-
107.0	45.0	-	-	-	24.2	176.6	-	-	-	-	-	-
107.0	50.0	-	-	3.6	6.9	57.4	-	-	-	-	-	-
107.0	55.0	-	-	-	-	21.2	-	-	-	-	-	-
107.0	60.0	-	-	10.4	159.3	26.7	-	-	-	-	-	-
107.0	65.0	-	-	-	-	10.8	-	-	-	-	-	-
107.0	70.0	-	-	28.4	26.5	10.1	-	-	-	-	-	-
107.0	80.0	-	-	9.2	24.3	17.8	-	-	-	-	-	-
110.0	33.0	0.0	-	3.0	2.0	5.8	0.0	0.0	3.1	10.3	0.0	-
110.0	35.0	0.0	0.0	12.4	29.3	13.7	0.0	0.0	8.1	25.7	2.5	-
110.0	40.0	0.0	0.0	10.0	25.2	52.0	99.6	17.3	37.2	96.8	6.3	-
110.0	45.0	-	-	-	79.0	20.9	-	-	-	-	-	-
110.0	50.0	2.8	0.0	17.8	103.6	217.2	35.4	37.2	59.8	55.8	18.1	-
110.0	55.0	-	-	-	-	44.5	-	-	-	-	-	-
110.0	60.0	-	2.4	14.5	17.7	13.0	49.8	46.9	161.2	77.7	8.7	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	65.0	-	-	-	-	48.6	-	-	-	-	-	-
110.0	70.0	0.0	10.7	103.3	38.2	210.0	40.7	-	-	-	-	-
110.0	80.0	0.0	-	211.7	39.9	223.2	48.1	-	-	-	-	-
110.0	90.0	3.2	-	83.0	70.7	123.9	193.6	-	-	-	-	-
113.0	35.0	0.0	2.7	28.7	25.4	0.0	2.8	15.4	-	-	14.0	-
113.0	40.0	0.0	0.0	14.7	61.4	19.4	55.4	3.7	39.2	26.9	25.1	-
113.0	45.0	-	-	2.9	53.1	78.5	116.8	-	-	-	-	-
113.0	50.0	0.0	-	6.4	22.3	200.9	57.6	-	-	-	-	-
113.0	55.0	-	-	43.5	3.1	61.6	50.8	-	-	-	-	-
113.0	60.0	0.0	21.9	28.3	12.6	87.8	8.0	-	-	-	-	-
113.0	65.0	-	-	26.6	65.6	29.1	-	-	-	-	-	-
113.0	70.0	0.0	-	15.4	77.0	131.9	137.2	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	5.0	-	-	-	-
115.0	35.0	-	-	-	-	-	-	21.0	-	-	-	-
115.0	40.0	-	-	-	-	-	-	-	-	-	-	-
115.0	50.0	-	-	-	-	-	-	-	-	-	-	-
115.0	60.0	-	-	-	-	-	-	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	1.9	3.5	0.0	0.0	3.2	0.0	-
117.0	30.0	0.0	0.7	0.0	0.0	0.0	0.0	4.8	17.7	49.5	12.6	-
117.0	35.0	0.0	3.1	72.0	12.2	0.0	6.6	11.7	-	-	2.3	-
117.0	40.0	0.0	0.0	8.9	5.7	0.0	17.0	18.0	0.0	23.3	28.3	-
117.0	45.0	-	5.5	75.1	35.0	0.0	17.2	-	-	-	-	-
117.0	50.0	-	16.4	66.2	36.7	6.6	35.4	-	-	-	-	-
117.0	55.0	-	41.9	31.8	86.6	264.3	110.8	-	-	-	-	-
117.0	60.0	0.0	2.7	37.0	15.7	0.0	30.0	-	-	-	-	-
117.0	65.0	-	-	42.0	66.4	260.6	-	-	-	-	-	-
117.0	70.0	0.0	-	36.0	40.6	136.1	175.0	-	-	-	-	-
118.0	35.0	-	-	-	-	-	-	20.9	-	-	-	-
119.0	42.0	-	-	-	-	-	-	5.9	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	-
120.0	30.0	0.0	1.3	0.0	0.0	0.0	1.8	2.2	7.9	0.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	9.4	0.0	-
120.0	45.0	6.8	6.1	23.2	6.5	3.0	5.2	81.6	0.0	37.6	9.2	-
120.0	50.0	11.7	24.6	30.5	15.4	39.6	179.8	121.4	158.0	86.4	17.6	-
120.0	55.0	-	14.5	60.4	18.2	168.5	69.7	-	-	-	-	-
120.0	60.0	-	64.2	34.3	11.5	42.3	211.0	23.8	25.0	110.9	24.1	-
120.0	65.0	-	53.1	26.6	55.4	140.6	-	-	-	-	-	-
120.0	70.0	12.7	84.1	24.2	155.9	29.5	165.4	59.2	18.6	29.2	0.0	-
120.0	80.0	12.6	8.0	21.3	117.0	40.2	448.0	0.0	33.7	19.1	0.0	-
120.0	90.0	0.0	1.4	3.0	8.8	9.0	14.6	23.9	0.0	27.4	2.9	-
121.0	30.0	-	-	-	-	-	-	3.0	-	-	-	-
123.0	37.0	7.0	0.9	0.0	10.3	6.1	0.0	0.0	0.0	0.0	3.8	-
123.0	40.0	38.0	5.6	9.1	3.1	3.1	5.5	13.1	0.0	75.1	15.2	-
123.0	45.0	-	9.1	67.2	118.9	21.4	4.9	-	-	-	-	-
123.0	50.0	0.0	27.3	33.8	26.6	37.8	166.3	27.0	7.7	19.2	11.4	-
123.0	55.0	-	22.2	50.8	31.2	48.4	-	-	-	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	60.0	6.0	29.3	55.2	15.5	97.6	21.5	-	-	-	-	-
127.0	34.0	0.0	3.8	4.9	5.9	7.8	0.0	0.0	65.4	0.0	0.0	-
127.0	40.0	3.0	70.0	34.4	42.1	77.0	22.8	17.1	70.1	8.0	-	-
127.0	45.0	-	38.6	0.0	20.2	405.9	46.1	-	-	-	-	-
127.0	50.0	3.0	16.0	165.2	114.1	25.7	20.0	8.9	39.4	17.1	30.6	-
127.0	55.0	-	3.0	43.8	24.5	18.7	-	-	-	-	-	-
127.0	60.0	6.2	10.7	14.3	48.5	51.8	120.5	-	-	-	-	-
130.0	30.0	0.0	0.8	0.0	2.8	3.7	0.0	0.0	10.0	0.0	3.2	-
130.0	35.0	0.0	18.1	10.9	68.5	57.2	5.3	32.2	104.9	21.2	16.8	-
130.0	40.0	5.9	30.9	95.7	13.5	175.5	66.7	94.7	99.3	58.0	32.0	-
130.0	45.0	-	27.6	288.9	195.1	17.9	46.9	-	-	-	-	-
130.0	50.0	9.1	105.9	721.5	142.0	102.9	310.2	29.2	39.2	14.2	10.2	-
130.0	52.0	-	59.8	-	-	-	-	-	-	-	-	-
130.0	55.0	-	67.6	78.0	25.4	34.8	-	-	-	-	-	-
130.0	60.0	6.0	45.4	72.5	51.5	168.8	5.6	16.9	15.7	24.7	193.9	-
130.0	80.0	19.2	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	4.9	12.0	1.4	0.0	-	0.0	4.5	0.0	2.1	-
133.0	30.0	5.6	10.5	68.2	10.0	0.0	38.1	0.0	38.3	3.7	2.0	-
133.0	35.0	-	32.5	44.0	43.5	11.0	2.3	-	-	-	-	-
133.0	40.0	40.7	14.7	50.7	37.2	117.4	50.4	-	-	-	-	-
133.0	45.0	-	21.6	160.2	2.2	101.0	32.0	-	-	-	-	-
133.0	50.0	-	10.8	13.4	0.0	-	12.1	-	-	-	-	-
133.0	60.0	3.4	29.9	52.6	-	-	-	-	-	-	-	-
137.0	23.0	1.6	1.1	2.3	1.1	0.0	0.0	7.6	0.0	1.7	0.0	-
137.0	30.0	0.0	1.3	0.0	0.0	3.7	0.0	0.0	9.4	15.5	0.0	-
137.0	35.0	-	-	15.8	23.4	0.0	8.9	-	-	-	-	-
137.0	40.0	19.8	74.0	215.9	2.5	49.2	4.7	-	-	-	-	-
137.0	45.0	-	19.3	14.4	174.0	11.2	22.5	-	-	-	-	-
137.0	50.0	0.0	-	75.0	10.4	91.8	136.9	104.0	-	-	-	-
137.0	60.0	3.2	5.5	120.2	-	-	-	-	-	-	-	-
140.0	35.0	-	-	-	-	-	-	-	-	-	-	-
140.0	40.0	-	-	-	-	-	-	-	-	-	-	-
140.0	50.0	-	-	-	-	-	-	-	-	-	-	-
143.0	35.0	-	-	-	-	-	-	-	-	-	-	-

Diogenichthys spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	75.0	-	-	-	5.9	-	-	-	-	-	-	-
105.0	32.0	0.0	1.4	-	-	-	0.0	-	-	-	-	-
107.0	35.0	-	-	3.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Diogenichthys atlanticus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	110.0	-	-	-	-	-	-	-	0.0	2.5	0.0	-
80.0	55.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	7.4	0.0	-
80.0	100.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-
83.0	85.0	-	-	-	2.7	-	-	-	-	-	-	-
83.0	90.0	-	-	2.2	8.4	0.0	-	-	-	-	-	-
87.0	70.0	-	-	8.6	0.0	0.0	-	-	-	-	-	-
87.0	75.0	-	-	-	2.9	-	-	-	-	-	-	-
87.0	80.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	-
90.0	30.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	2.8	0.0	0.0	-
90.0	53.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	60.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
90.0	70.0	0.0	0.0	36.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	80.0	4.9	2.7	5.3	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-
90.0	90.0	0.0	5.5	2.5	13.2	5.7	3.0	-	-	-	-	-
90.0	100.0	0.0	-	32.2	-	24.8	17.2	-	-	-	-	-
93.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	60.0	0.0	0.0	2.8	6.5	0.0	0.0	-	-	-	-	-
93.0	65.0	-	-	-	16.3	0.0	-	-	-	-	-	-
93.0	70.0	2.6	0.0	3.0	6.0	21.1	0.0	-	-	-	-	-
93.0	75.0	-	-	-	19.2	-	-	-	-	-	-	-
93.0	80.0	-	-	15.0	0.0	22.9	2.8	-	-	-	-	-
93.0	90.0	-	-	18.4	-	-	5.8	-	-	-	-	-
97.0	36.0	-	-	-	-	2.8	-	-	-	-	-	-
97.0	40.0	3.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	50.0	2.6	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	55.0	-	-	-	0.0	6.1	0.0	-	-	-	-	-
97.0	65.0	-	-	-	15.9	6.3	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	3.8	0.0	6.4	-	-	-	-	-
97.0	75.0	-	-	-	5.8	-	-	-	-	-	-	-
97.0	80.0	-	-	0.0	7.3	9.1	2.3	-	-	-	-	-
97.0	90.0	-	-	16.5	0.0	6.7	20.5	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
100.0	60.0	-	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	65.0	-	0.0	-	0.0	7.4	-	0.0	0.0	0.0	0.0	-
100.0	70.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	9.8	0.0	-
100.0	80.0	0.0	2.8	6.4	0.0	0.0	8.4	13.2	3.2	5.0	7.9	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	59.2	-	-	-	-	-
103.0	65.0	-	-	-	0.0	3.7	-	-	-	-	-	-
103.0	75.0	-	-	-	0.0	2.9	-	-	-	-	-	-
103.0	80.0	-	-	0.0	0.0	7.5	-	-	-	-	-	-
103.0	90.0	-	-	0.0	2.8	5.0	-	-	-	-	-	-
105.0	55.0	-	-	0.0	2.8	-	2.4	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
105.0	60.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	0.0	-	-	-	26.0	-	-	-	-	-
105.0	80.0	0.0	-	-	-	-	0.0	-	-	-	-	-
107.0	45.0	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0	50.0	-	-	0.0	0.0	6.0	-	-	-	-	-	-
107.0	60.0	-	-	0.0	0.0	3.0	-	-	-	-	-	-
107.0	65.0	-	-	-	-	3.6	-	-	-	-	-	-
107.0	70.0	-	-	0.0	0.0	6.8	-	-	-	-	-	-
107.0	80.0	-	-	0.0	10.8	0.0	-	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-
110.0	45.0	-	-	-	14.8	0.0	-	0.0	0.0	2.8	5.2	-
110.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	-	-
110.0	55.0	-	-	-	-	7.4	-	-	-	-	-	-
110.0	60.0	-	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
110.0	70.0	0.0	2.7	11.8	0.0	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	-	0.0	6.1	12.4	0.0	-	-	-	-	-
113.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	60.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-	-	-	-
113.0	70.0	-	-	0.0	3.2	0.0	0.0	-	-	-	-	-
117.0	40.0	-	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	70.0	-	-	0.0	0.0	3.3	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	2.4	-
127.0	40.0	-	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	-

Diogenichthys laternatus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.3	0.0	-
100.0	75.0	-	-	-	1.9	-	-	-	-	-	-	-
100.0	90.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
103.0	70.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
105.0	60.0	3.1	5.6	-	-	-	0.0	-	-	-	-	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	6.2	-
107.0	60.0	-	-	10.4	5.1	0.0	-	-	-	-	-	-
107.0	70.0	-	-	9.5	0.0	0.0	-	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	-	9.5	0.0	3.1	0.0	-	-	-	-	-
110.0	90.0	3.3	-	13.8	24.5	3.3	4.4	-	-	-	-	-
113.0	50.0	9.5	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	1.4	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	65.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-
113.0	70.0	0.0	-	0.0	0.0	2.9	0.0	-	-	-	-	-
115.0	40.0	-	-	-	-	-	-	-	-	-	-	-
115.0	70.0	-	-	-	-	-	-	-	-	-	6.8	-
117.0	35.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-
117.0	40.0	3.2	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	3.0	5.4	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	-	0.0	0.0	0.0	-	-	-	-	-	-
117.0	65.0	-	-	0.0	3.0	3.1	-	-	-	-	-	-
117.0	70.0	5.7	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	45.0	0.0	0.0	1.4	0.0	0.0	10.4	3.7	3.1	0.0	2.3	-
120.0	50.0	5.8	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	-
120.0	55.0	-	0.0	3.0	0.0	0.0	2.7	-	-	-	-	-
120.0	60.0	10.3	11.9	0.0	0.0	6.5	0.0	0.0	0.0	2.0	2.4	-
120.0	65.0	-	0.0	11.8	0.0	22.9	-	-	-	-	-	-
120.0	70.0	17.6	16.4	0.0	0.0	8.0	0.0	0.0	0.0	5.3	0.0	-
120.0	80.0	11.7	1.9	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	21.4	28.9	-
123.0	37.0	1.8	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
123.0	40.0	58.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.8	-
123.0	45.0	6.9	1.5	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	50.0	-	30.5	12.0	5.2	3.5	-	-	-	-	-	-
123.0	55.0	5.3	9.8	0.0	9.3	2.9	0.0	-	-	-	-	-
123.0	60.0	-	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	34.0	-	12.2	0.0	3.2	0.0	0.0	0.0	2.9	4.0	-	-
127.0	40.0	-	16.6	0.0	3.4	0.0	0.0	-	-	-	-	-
127.0	45.0	-	1.6	29.5	6.3	28.6	0.0	0.0	0.0	0.0	21.4	-
127.0	50.0	-	0.0	8.8	0.0	0.0	-	-	-	-	-	-
127.0	55.0	49.4	13.8	0.0	0.0	25.9	105.1	-	-	-	-	-
130.0	30.0	0.0	1.0	2.7	0.0	3.7	0.0	0.0	0.0	0.0	0.0	-
130.0	35.0	2.9	6.0	0.0	3.3	6.4	0.0	16.1	13.8	113.3	2.8	-
130.0	40.0	38.4	22.0	55.1	2.7	0.0	11.6	0.0	55.5	16.1	3.2	-
130.0	45.0	-	16.6	163.7	5.4	0.0	22.2	-	-	-	-	-
130.0	50.0	3.0	58.5	27.6	19.9	20.6	188.4	0.0	14.2	0.0	10.2	-
130.0	52.0	-	10.4	-	-	-	-	-	-	-	-	-
130.0	55.0	-	47.0	17.3	60.2	118.9	-	-	-	-	-	-
130.0	60.0	66.2	14.7	2.9	2.9	60.5	55.8	2.8	15.7	10.3	9.1	-
130.0	70.0	29.0	-	-	-	-	-	-	-	-	-	-
130.0	80.0	92.8	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	18.5	12.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	30.0	3.7	0.0	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	13.6	70.3	133.1	2.2	6.3	-	-	-	-	-
133.0	40.0	217.0	2.6	17.9	45.2	0.0	0.0	-	-	-	-	-
133.0	45.0	-	8.1	8.4	11.0	6.1	0.0	-	-	-	-	-
133.0	50.0	94.0	38.9	40.1	18.3	-	63.6	-	-	-	-	-
133.0	60.0	44.3	16.3	201.5	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	30.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	0.0	-
137.0	35.0	-	-	68.4	7.8	0.0	0.0	-	-	-	-	-
137.0	40.0	23.1	12.8	113.1	2.5	0.0	0.0	-	-	-	-	-
137.0	45.0	-	-	49.0	155.7	0.0	0.0	-	-	-	-	-
137.0	50.0	5.7	23.0	60.0	62.4	183.5	14.9	121.4	-	-	-	-
137.0	60.0	80.5	5.5	16.0	-	-	-	-	-	-	-	-
140.0	35.0	-	-	-	-	-	-	-	-	-	-	-
140.0	40.0	-	-	-	-	-	-	-	-	-	-	-
140.0	50.0	-	-	-	-	-	-	-	-	-	-	-
143.0	26.0	-	-	-	-	-	-	-	-	-	-	-
143.0	30.0	-	-	-	-	-	-	-	-	-	-	-
143.0	35.0	-	-	-	-	-	-	-	-	-	-	-
147.0	20.0	-	-	-	-	-	-	-	-	-	-	-
147.0	25.0	-	-	-	-	-	-	-	-	-	-	-
147.0	30.0	-	-	-	-	-	-	-	-	-	-	-
150.0	25.0	-	-	-	-	-	-	-	-	-	-	-
150.0	30.0	-	-	-	-	-	-	-	-	-	-	-
150.0	40.0	-	-	-	-	-	-	-	-	-	-	-

Electrona rissoi

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	80.0	-	-	0.0	0.0	0.0	2.3	-	-	-	-	-
97.0	90.0	-	-	0.0	0.0	0.0	2.9	-	-	-	-	-
100.0	80.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	90.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-

Gonichthys tenuiculus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	60.0	-	-	3.5	0.0	0.0	-	-	-	-	-	-
107.0	70.0	-	-	0.0	2.7	0.0	-	-	-	-	-	-
110.0	90.0	-	-	3.5	5.4	0.0	-	-	-	-	-	-
117.0	50.0	-	-	0.0	0.0	0.0	2.2	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	50.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	60.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
130.0	40.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	-
130.0	45.0	-	0.0	9.6	0.0	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	1.6	3.1	0.0	0.0	8.3	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Gonichthys tenuiculus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	55.0	-	0.0	2.9	0.0	0.0	-	-	-	-	-	-
130.0	60.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
133.0	45.0	-	5.4	2.8	0.0	0.0	0.0	-	-	-	-	-
133.0	50.0	-	1.4	0.0	0.0	-	0.0	-	-	-	-	-
133.0	60.0	0.0	0.0	2.9	-	-	-	-	-	-	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	3.1	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	-	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	57.0	3.3	-	3.0	0.0	3.0	2.5	0.0	-	-	-	-
137.0	60.0	-	0.0	10.7	-	-	-	-	-	-	-	-
140.0	35.0	2.7	-	-	-	-	-	-	-	-	-	-
140.0	40.0	3.0	-	-	-	-	-	-	-	-	-	-
140.0	50.0	5.5	-	-	-	-	-	-	-	-	-	-
150.0	40.0	3.0	-	-	-	-	-	-	-	-	-	-

Hygophum spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	-	0.0	2.9	0.0	3.1	-	-	-	-	-	-
130.0	45.0	-	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	45.0	-	0.0	5.6	0.0	0.0	0.0	-	-	-	-	-
133.0	50.0	3.2	0.0	2.7	0.0	-	3.0	-	-	-	-	-
133.0	60.0	3.4	0.0	0.0	-	0.0	0.0	-	-	-	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
140.0	35.0	2.7	-	-	-	-	-	-	-	-	-	-
140.0	40.0	9.1	-	-	-	-	-	-	-	-	-	-
143.0	30.0	2.9	-	-	-	-	-	-	-	-	-	-
147.0	30.0	2.3	-	-	-	-	-	-	-	-	-	-
150.0	30.0	4.9	-	-	-	-	-	-	-	-	-	-
150.0	40.0	14.9	-	-	-	-	-	-	-	-	-	-

Hygophum atratum

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	90.0	0.0	-	0.0	5.4	0.0	2.2	-	-	-	-	-
117.0	65.0	-	-	0.0	3.0	0.0	-	-	-	-	-	-
120.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	60.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Hygophum atratum (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	-
123.0	50.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	60.0	0.0	3.1	0.0	0.0	0.0	9.3	-	-	-	-	-
130.0	35.0	0.0	1.5	0.0	0.0	3.2	0.0	0.0	2.8	0.0	0.0	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
130.0	80.0	3.2	-	-	-	-	-	-	-	-	-	-
133.0	30.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	40.0	6.8	0.0	0.0	2.7	0.0	0.0	0.0	-	-	-	-
133.0	45.0	-	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
133.0	50.0	-	1.4	0.0	0.0	-	0.0	-	-	-	-	-
137.0	40.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	0.0	0.0	2.3	0.0	0.0	-	-	-	-	-
137.0	50.0	0.0	-	6.0	0.0	8.9	2.5	2.9	-	-	-	-
137.0	60.0	0.0	5.5	5.3	-	-	-	-	-	-	-	-
140.0	50.0	-	-	-	-	-	-	-	-	-	-	-

Hygophum reinhardtii

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	70.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
103.0	70.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
110.0	80.0	3.3	-	3.2	0.0	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-
113.0	70.0	-	-	1.5	0.0	0.0	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	-
120.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.8	-
127.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Loweina rara

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	60.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	2.7	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
120.0	90.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	50.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	60.0	0.0	1.5	0.0	0.0	2.9	0.0	-	-	-	-	-

TABLE 4. (cont.)

Loweina rara (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	55.0	-	0.0	2.9	3.2	0.0	-	-	-	-	-	-
130.0	70.0	8.7	-	-	-	-	-	-	-	-	-	-
137.0	45.0	-	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	0.0	-	3.0	0.0	3.0	0.0	0.0	-	-	-	-

Myctophum nitidulum

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	75.0	-	-	-	3.0	-	-	-	-	-	-	-
90.0	80.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-	-	-	-
90.0	90.0	2.7	0.0	2.5	0.0	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	0.0	3.2	0.0	0.0	-	-	-	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.5	2.0	-
103.0	40.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	2.4	-
103.0	65.0	-	-	-	2.7	0.0	-	-	-	-	-	-
105.0	60.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	80.0	0.0	-	-	-	-	2.4	-	-	-	-	-
107.0	60.0	-	-	3.5	0.0	0.0	-	-	-	-	-	-
107.0	80.0	-	-	3.1	0.0	0.0	0.0	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-
110.0	70.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
110.0	80.0	6.6	-	0.0	0.0	6.2	2.5	-	-	-	-	-
110.0	90.0	0.0	-	0.0	2.7	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	0.0	3.3	0.0	-	-	-	-	-	-
120.0	60.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
127.0	50.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	60.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
130.0	45.0	-	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-
130.0	55.0	-	11.8	0.0	0.0	0.0	-	-	-	-	-	-
130.0	60.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-

Protomyctophum crockeri

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	90.0	-	-	-	-	-	6.2	-	-	-	-	-
50.0	60.0	-	-	-	-	-	7.8	-	-	-	-	-
50.0	70.0	-	-	-	-	-	8.8	-	-	-	-	-
53.0	60.0	-	-	-	-	-	5.8	-	-	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0	65.0	-	-	-	-	0.0	11.8	-	-	-	-	-
57.0	60.0	-	-	-	-	0.0	4.6	-	-	-	-	-
60.0	55.0	-	-	0.0	-	0.0	-	0.0	3.2	0.0	0.0	-
60.0	60.0	-	-	0.0	-	0.0	0.0	-	0.0	0.0	3.0	-
60.0	70.0	-	-	11.8	-	0.0	4.6	-	0.0	0.0	0.0	-
60.0	80.0	-	-	0.0	2.8	-	-	-	0.0	0.0	19.3	-
60.0	90.0	-	-	0.0	0.0	0.0	0.0	-	8.9	0.0	9.0	-
60.0	100.0	-	-	-	2.8	0.0	-	-	0.0	5.6	0.0	-
60.0	110.0	-	-	-	-	-	-	-	7.5	0.0	2.9	-
63.0	55.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	-
63.0	65.0	-	-	-	0.0	2.8	10.6	0.0	-	-	-	-
67.0	55.0	-	-	0.0	0.0	0.0	8.6	6.2	0.0	0.0	2.6	-
67.0	65.0	-	-	-	-	0.0	5.6	13.2	0.0	12.4	0.0	-
70.0	51.0	-	-	0.0	0.0	12.7	0.0	0.0	0.0	-	2.5	-
70.0	60.0	-	-	0.0	0.0	6.3	6.9	0.0	0.0	0.0	5.3	-
70.0	70.0	-	-	4.9	7.4	0.0	0.0	0.0	2.4	0.0	0.0	-
70.0	80.0	-	-	10.4	0.0	0.0	0.0	0.0	7.8	0.0	0.0	-
70.0	90.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-
73.0	60.0	-	-	0.0	8.9	0.0	0.0	0.0	0.0	6.2	-	-
77.0	50.0	-	-	0.0	5.4	0.0	0.0	0.0	0.0	0.0	2.9	-
77.0	55.0	-	-	2.4	3.0	0.0	0.0	0.0	0.0	0.0	-	-
77.0	60.0	-	-	-	0.0	0.0	6.8	-	-	-	-	-
77.0	65.0	-	-	-	3.2	0.0	0.0	0.0	3.3	9.5	0.0	-
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	-
80.0	60.0	2.8	0.0	14.1	0.0	0.0	0.0	0.0	0.0	2.6	5.3	-
80.0	70.0	0.0	0.0	0.0	5.2	0.0	2.9	0.0	0.0	8.5	0.0	-
80.0	80.0	2.9	0.0	0.0	0.0	5.0	0.0	5.9	0.0	2.5	0.0	-
80.0	90.0	10.4	0.0	2.8	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-
80.0	100.0	13.0	-	0.0	0.0	2.8	0.0	3.1	6.1	0.0	0.0	-
80.0	110.0	0.0	-	0.0	0.0	0.0	0.0	2.7	0.0	0.0	3.0	-
83.0	55.0	-	-	0.0	6.3	0.0	-	-	-	-	-	-
83.0	70.0	-	-	4.3	0.0	0.0	-	-	-	-	-	-
83.0	75.0	-	-	0.0	2.9	0.0	-	-	-	-	-	-
83.0	80.0	-	-	0.0	2.7	0.0	-	-	-	-	-	-
83.0	85.0	-	-	-	10.8	0.0	-	-	-	-	-	-
83.0	90.0	-	-	6.5	2.8	0.0	-	-	-	-	-	-
85.0	40.0	0.0	0.0	-	-	-	0.0	0.0	0.0	6.8	0.0	-
85.0	45.0	-	-	-	-	-	8.8	-	0.0	-	-	-
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	60.0	0.0	0.0	-	-	-	0.0	11.4	0.0	9.0	0.0	-
85.0	70.0	5.2	0.0	-	-	-	0.0	-	-	-	-	-
85.0	80.0	-	-	-	-	-	6.5	-	-	-	-	-
85.0	90.0	-	-	-	0.0	10.9	-	-	-	-	-	-
87.0	55.0	-	-	5.8	0.0	0.0	-	-	-	-	-	-
87.0	60.0	-	-	0.0	8.7	0.0	-	-	-	-	-	-
87.0	70.0	-	-	7.7	0.0	-	-	-	-	-	-	-
87.0	80.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
87.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
90.0	53.0	0.0	6.8	3.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	60.0	0.0	0.0	3.1	5.5	1.8	0.0	0.0	0.0	2.3	0.0	-
90.0	65.0	-	-	-	0.0	3.4	-	-	-	-	-	-
90.0	70.0	2.5	0.0	3.0	-	12.6	2.5	0.0	0.0	2.7	8.2	-
90.0	75.0	-	-	-	3.0	-	-	-	-	-	-	-
90.0	80.0	2.5	0.0	0.0	16.7	0.0	3.2	-	-	-	-	-
90.0	90.0	0.0	16.4	0.0	13.2	5.7	0.0	-	-	-	-	-
90.0	100.0	-	-	2.9	-	0.0	0.0	-	-	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	2.3	0.0	-
93.0	40.0	2.4	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.6	0.0	-
93.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-
93.0	55.0	-	5.2	-	2.9	0.0	0.0	-	-	-	-	-
93.0	60.0	-	2.8	2.8	3.3	1.5	0.0	-	-	-	-	-
93.0	65.0	2.6	-	0.0	0.0	6.5	0.0	-	-	-	-	-
93.0	70.0	2.6	0.0	0.0	0.0	7.0	0.0	-	-	-	-	-
93.0	75.0	-	-	-	3.2	-	-	-	-	-	-	-
93.0	80.0	-	-	3.7	3.2	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	3.1	-	-	2.9	-	-	-	-	-
97.0	32.0	0.0	2.8	0.0	-	0.0	0.0	2.5	2.0	0.0	0.0	-
97.0	40.0	3.0	0.0	2.9	18.9	0.0	3.0	0.0	0.0	9.6	4.8	-
97.0	45.0	-	-	-	10.7	0.0	0.0	-	-	-	-	-
97.0	50.0	2.6	0.0	3.0	7.0	1.7	0.0	0.0	0.0	5.9	0.0	-
97.0	55.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-
97.0	60.0	0.0	5.9	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	5.2	8.2	5.7	0.0	3.2	0.0	-	-	-	-	-
97.0	75.0	-	-	-	5.8	-	-	-	-	-	-	-
97.0	80.0	-	-	8.6	11.0	0.0	2.3	-	-	-	-	-
97.0	90.0	-	-	3.3	0.0	0.0	0.0	-	-	-	-	-
100.0	29.0	-	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	3.0	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	3.1	3.3	0.0	14.9	0.0	0.0	-
100.0	50.0	-	0.0	9.8	0.0	1.6	8.2	0.0	0.0	0.0	2.8	-
100.0	55.0	-	-	-	3.5	13.2	10.0	-	-	-	-	-
100.0	60.0	-	0.0	0.0	6.0	1.5	3.0	0.0	0.0	0.0	0.0	-
100.0	65.0	-	-	-	4.8	3.7	-	-	-	-	-	-
100.0	70.0	3.2	2.4	3.3	0.0	12.1	0.0	0.0	0.0	3.3	0.0	-
100.0	80.0	0.0	2.8	3.2	2.3	6.9	0.0	0.0	3.2	2.5	0.0	-
100.0	90.0	0.0	0.0	6.3	0.0	3.7	0.0	-	-	-	-	-
100.0	100.0	-	-	0.0	-	0.0	5.9	-	-	-	-	-
103.0	40.0	-	-	0.0	0.0	0.0	-	5.5	8.6	0.0	2.4	-
103.0	50.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
103.0	55.0	-	-	0.0	-	3.8	-	-	-	-	-	-
103.0	60.0	-	-	0.0	3.0	0.0	-	-	-	-	-	-
103.0	65.0	-	-	-	2.7	5.8	-	-	-	-	-	-
103.0	75.0	-	-	-	0.0	-	-	-	-	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	80.0	-	-	3.3	0.0	3.7	-	-	-	-	-	-
103.0	90.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
105.0	35.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0	40.0	5.7	0.0	-	-	-	0.0	-	-	-	-	-
105.0	50.0	2.4	2.7	-	-	-	0.0	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
105.0	60.0	3.1	2.8	-	-	-	2.8	-	-	-	-	-
105.0	70.0	5.3	0.0	-	-	-	11.6	-	-	-	-	-
105.0	80.0	2.4	0.0	-	-	-	0.0	-	-	-	-	-
107.0	32.0	-	-	0.0	0.0	0.0	-	3.0	0.0	0.0	0.0	-
107.0	35.0	-	-	5.9	0.0	0.0	-	0.0	0.0	8.1	0.0	-
107.0	40.0	-	-	0.0	2.5	0.0	-	0.0	0.0	-	-	-
107.0	45.0	-	-	-	4.4	3.3	-	-	-	-	-	-
107.0	50.0	-	-	0.0	0.0	9.1	-	-	-	-	-	-
107.0	55.0	-	-	-	-	6.1	-	-	-	-	-	-
107.0	60.0	-	-	0.0	10.3	5.9	-	-	-	-	-	-
107.0	70.0	-	-	3.2	13.3	0.0	-	-	-	-	-	-
107.0	80.0	-	-	0.0	5.4	0.0	-	-	-	-	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-
110.0	40.0	0.0	0.0	0.0	0.0	19.5	0.0	0.0	0.0	0.0	0.0	-
110.0	50.0	3.1	0.0	0.0	0.0	25.3	2.5	0.0	0.0	0.0	0.0	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
110.0	70.0	0.0	0.0	3.0	0.0	3.6	0.0	0.0	-	-	-	-
110.0	80.0	0.0	-	3.2	6.1	0.0	0.0	-	-	-	-	-
110.0	90.0	0.0	-	6.9	2.7	6.7	0.0	-	-	-	-	-
113.0	30.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	3.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	40.0	0.0	0.0	4.8	6.1	3.2	0.0	0.0	0.0	3.4	5.6	-
113.0	45.0	-	-	2.9	2.5	7.1	2.9	-	-	-	-	-
113.0	50.0	0.0	3.1	6.4	9.5	0.0	2.6	-	-	-	-	-
113.0	55.0	-	0.0	0.0	3.1	0.0	7.6	-	-	-	-	-
113.0	60.0	0.0	0.0	2.8	0.0	6.5	0.0	-	-	-	-	-
113.0	65.0	-	-	7.2	0.0	6.5	-	-	-	-	-	-
115.0	50.0	-	-	-	-	-	-	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-
117.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	-
117.0	45.0	-	2.8	0.0	0.0	0.0	2.5	-	-	-	-	-
117.0	50.0	3.0	0.0	0.0	0.0	3.3	0.0	-	-	-	-	-
117.0	55.0	-	12.9	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	-	5.4	3.1	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	-	-	4.5	0.0	3.3	0.0	-	-	-	-	-
120.0	45.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	2.3	-
120.0	50.0	0.0	1.5	0.0	0.0	2.8	6.4	0.0	0.0	0.0	2.5	-
120.0	55.0	-	0.0	0.0	2.6	6.2	2.7	-	6.2	0.0	0.0	-
120.0	60.0	0.0	0.0	0.0	0.0	6.5	2.1	5.3	-	-	0.0	-
120.0	65.0	-	0.0	0.0	2.8	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	70.0	0.0	0.0	3.0	0.0	2.7	6.2	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	0.0	0.0	4.7	6.2	3.3	0.0	0.0	0.0	0.0	-
120.0	90.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	-
123.0	40.0	0.0	0.0	1.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-
123.0	45.0	-	0.0	5.8	8.2	6.1	0.0	-	-	-	-	-
123.0	50.0	0.0	1.2	2.8	0.0	3.2	0.0	0.0	0.0	4.8	2.8	-
127.0	40.0	0.0	0.0	0.0	3.2	0.0	0.0	2.8	8.8	0.0	-	-
127.0	50.0	-	0.0	8.9	3.2	0.0	0.0	0.0	0.0	2.5	0.0	-
127.0	55.0	-	0.0	0.0	2.7	0.0	-	-	-	-	-	-
127.0	60.0	3.1	0.0	5.7	0.0	0.0	0.0	-	-	-	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-
130.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.5	-
130.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	6.1	-
133.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
133.0	45.0	-	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
137.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-	-	-	-
137.0	45.0	-	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	0.0	-	0.0	0.0	3.0	0.0	0.0	-	-	-	-

Symbolophorus californiensis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	9.9	0.0	-
80.0	90.0	0.0	-	0.0	0.0	2.7	0.0	0.0	0.0	9.1	0.0	-
80.0	100.0	0.0	-	0.0	0.0	2.8	6.5	16.1	9.3	3.2	0.0	-
83.0	75.0	-	-	-	2.9	0.0	-	-	-	-	-	-
83.0	80.0	-	-	0.0	2.7	0.0	-	-	-	-	-	-
83.0	85.0	-	-	-	5.4	-	-	-	-	-	-	-
83.0	90.0	-	-	2.2	2.8	0.0	-	-	-	-	-	-
87.0	70.0	-	-	8.6	0.0	0.0	-	-	-	-	-	-
87.0	80.0	-	-	32.1	2.5	0.0	-	-	-	-	-	-
90.0	35.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	53.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	60.0	0.0	0.0	0.0	2.7	5.7	2.7	0.0	0.0	0.0	0.0	-
90.0	65.0	-	-	-	0.0	3.4	-	-	0.0	-	-	-
90.0	70.0	0.0	0.0	81.0	-	6.3	0.0	0.0	0.0	0.0	0.0	-
90.0	75.0	-	-	-	8.9	-	-	-	-	-	-	-
90.0	80.0	4.9	8.0	44.7	12.0	0.0	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	22.5	28.9	0.0	0.0	-	-	-	-	-
90.0	100.0	-	-	17.6	-	8.3	8.6	-	-	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	4.6	-	-	-	-	-
93.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
93.0	60.0	2.6	0.0	5.5	9.8	0.0	0.0	-	-	-	-	-
93.0	65.0	-	-	-	32.6	3.3	-	-	-	-	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0 70.0	0.0	0.0	0.0	9.1	9.0	21.1	3.1	-	-	-	-	-
93.0 75.0	-	-	-	-	35.2	-	-	-	-	-	-	-
93.0 80.0	-	-	-	59.8	0.0	3.8	11.3	-	-	-	-	-
93.0 90.0	-	-	-	43.0	-	-	11.7	-	-	-	-	-
97.0 40.0	3.0	0.0	0.0	0.0	3.2	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0 45.0	-	-	-	-	10.7	0.0	0.0	-	-	-	-	-
97.0 50.0	0.0	0.0	0.0	0.0	2.9	0.0	3.3	2.8	0.0	0.0	0.0	-
97.0 55.0	-	-	-	-	0.0	24.5	2.7	-	-	-	-	-
97.0 60.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	-	-	-	-	-
97.0 65.0	-	-	-	-	0.0	6.3	-	-	-	-	-	-
97.0 70.0	0.0	0.0	0.0	2.8	15.3	0.0	19.1	-	-	-	-	-
97.0 75.0	-	-	-	-	14.5	-	-	-	-	-	-	-
97.0 80.0	-	-	-	5.7	0.0	6.1	16.0	-	-	-	-	-
97.0 90.0	-	-	-	42.8	2.8	0.0	11.7	-	-	-	-	-
100.0 35.0	-	-	-	-	-	1.4	0.0	-	-	-	-	-
100.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	-
100.0 55.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
100.0 60.0	-	2.4	4.0	3.2	0.0	0.0	0.0	3.1	5.7	0.0	0.0	-
100.0 65.0	-	-	-	-	24.3	7.4	-	-	-	-	-	-
100.0 70.0	0.0	0.0	4.7	3.3	0.0	3.0	3.2	0.0	0.0	3.3	3.0	-
100.0 75.0	-	-	-	-	1.9	-	-	-	-	-	-	-
100.0 80.0	0.0	2.8	2.8	0.0	0.0	0.0	5.6	8.8	0.0	2.5	0.0	-
100.0 90.0	0.0	0.0	2.7	0.0	0.0	3.7	13.5	-	-	-	-	-
100.0 100.0	-	-	-	13.1	-	0.0	0.0	-	-	-	-	-
103.0 50.0	-	-	-	3.0	0.0	0.0	-	-	-	-	-	-
103.0 60.0	-	-	-	3.2	8.9	0.0	-	-	-	-	-	-
103.0 65.0	-	-	-	-	0.0	25.6	-	-	-	-	-	-
103.0 70.0	-	-	-	3.2	0.0	9.5	-	-	-	-	-	-
103.0 75.0	-	-	-	-	4.8	0.0	-	-	-	-	-	-
103.0 80.0	-	-	-	0.0	0.0	3.7	-	-	-	-	-	-
103.0 90.0	-	-	-	9.5	5.7	0.0	-	-	-	-	-	-
105.0 55.0	-	-	-	-	-	-	4.9	-	-	-	-	-
105.0 60.0	0.0	0.0	2.8	-	-	-	2.8	-	-	-	-	-
105.0 70.0	0.0	0.0	0.0	-	-	-	8.7	-	-	-	-	-
105.0 90.0	-	-	-	-	-	0.0	6.0	0.0	0.0	2.7	0.0	-
107.0 35.0	-	-	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
107.0 40.0	-	-	-	0.0	0.0	0.0	-	3.9	-	-	-	-
107.0 45.0	-	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0 55.0	-	-	-	-	-	3.0	-	-	-	-	-	-
107.0 60.0	-	-	-	0.0	10.3	0.0	-	-	-	-	-	-
107.0 65.0	-	-	-	-	-	7.2	-	-	-	-	-	-
107.0 70.0	-	-	-	6.3	0.0	3.4	-	-	-	-	-	-
107.0 80.0	-	-	-	6.1	13.5	5.9	-	-	-	-	-	-
110.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	-
110.0 45.0	-	-	-	-	9.9	2.6	-	-	-	-	-	-
110.0 50.0	0.0	0.0	14.8	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	55.0	-	-	2.9	-	3.7	-	3.6	-	-	-	-
110.0	60.0	0.0	7.3	2.9	5.9	3.7	2.9	-	0.0	0.0	0.0	-
110.0	65.0	-	-	-	5.9	3.7	-	-	-	-	-	-
110.0	70.0	0.0	0.0	3.0	0.0	0.0	4.5	-	-	-	-	-
110.0	80.0	0.0	-	0.0	3.1	0.0	5.1	-	-	-	-	-
110.0	90.0	0.0	-	0.0	0.0	3.3	0.0	-	-	-	-	-
113.0	35.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	-
113.0	45.0	-	-	0.0	7.6	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	3.2	3.2	7.9	0.0	-	-	-	-	-
113.0	55.0	-	-	3.3	3.1	0.0	0.0	-	-	-	-	-
113.0	60.0	2.8	0.0	4.3	0.0	3.3	0.0	-	-	-	-	-
113.0	65.0	-	-	1.4	3.3	0.0	-	-	-	-	-	-
113.0	70.0	0.0	-	1.5	0.0	0.0	0.0	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	-	-	0.0	-
117.0	40.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	3.3	0.0	0.0	-
117.0	45.0	-	5.5	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-
117.0	55.0	-	0.0	0.0	7.2	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	-	1.5	0.0	0.0	0.0	-	-	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	-
120.0	55.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	2.9	3.3	0.0	0.0	0.0	2.0	0.0	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	-
120.0	80.0	0.0	2.7	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-
120.0	90.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	60.0	0.0	1.3	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	45.0	-	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
130.0	45.0	-	0.0	0.0	0.0	3.0	0.0	-	-	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	-	-	-

Tarletonbeania crenularis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	50.0	-	-	-	-	-	8.8	-	-	-	-	-
40.0	60.0	-	-	-	-	-	10.7	-	-	-	-	-
40.0	70.0	-	-	-	-	-	11.9	-	-	-	-	-
40.0	80.0	-	-	-	-	-	12.8	-	-	-	-	-
47.0	60.0	-	-	-	-	-	25.5	-	-	-	-	-
50.0	50.0	-	-	-	-	33.4	14.5	-	-	-	-	-
50.0	55.0	-	-	-	-	-	24.6	-	-	-	-	-
50.0	60.0	-	-	-	-	-	5.2	-	-	-	-	-
53.0	52.0	-	-	-	-	13.7	-	-	-	-	-	-

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0	55.0	-	-	-	-	22.9	22.8	-	-	-	-	-
53.0	60.0	-	-	-	-	-	23.1	-	-	-	-	-
53.0	65.0	-	-	-	-	28.2	0.0	-	-	-	-	-
57.0	55.0	-	-	-	-	2.2	13.3	-	-	-	-	-
57.0	60.0	-	-	-	-	-	18.4	-	-	-	-	-
57.0	65.0	-	-	-	-	16.0	6.0	-	-	-	-	-
60.0	55.0	-	-	-	-	0.0	-	0.0	3.2	13.0	2.1	-
60.0	60.0	-	-	-	-	0.0	7.3	-	5.0	4.9	63.0	-
60.0	65.0	-	-	-	-	12.2	-	-	-	-	-	-
60.0	70.0	-	-	-	-	5.8	7.0	-	5.9	5.0	8.8	-
60.0	80.0	-	-	-	-	-	-	-	16.2	5.5	22.1	-
60.0	90.0	-	-	-	-	0.0	6.0	-	8.9	2.4	14.9	-
60.0	100.0	-	-	-	-	0.0	-	-	2.2	2.8	5.0	-
63.0	52.0	-	-	-	-	-	0.0	-	5.0	0.0	14.3	-
63.0	55.0	-	-	-	-	8.0	0.0	0.0	1.1	0.0	2.3	-
63.0	60.0	-	-	-	-	17.4	7.3	19.7	4.5	66.7	5.4	-
63.0	65.0	-	-	-	-	5.7	0.0	-	-	-	-	-
67.0	50.0	-	-	-	-	0.0	-	0.0	1.6	-	6.5	-
67.0	55.0	-	-	-	-	5.4	17.2	6.2	4.5	48.9	10.5	-
67.0	60.0	-	-	-	-	30.6	3.2	6.6	69.7	37.1	16.0	-
67.0	65.0	-	-	-	-	0.0	6.0	11.0	0.0	-	35.4	-
70.0	51.0	-	-	-	-	-	-	-	-	-	-	-
70.0	55.0	-	-	-	-	0.0	-	-	-	-	-	-
70.0	60.0	-	-	-	-	12.7	6.9	35.5	4.8	5.8	26.7	-
70.0	65.0	-	-	-	-	16.9	0.0	-	-	-	-	-
70.0	70.0	-	-	-	-	12.6	15.6	12.6	4.8	11.6	11.2	-
70.0	80.0	-	-	-	-	0.0	3.1	2.6	7.8	3.1	8.2	-
70.0	90.0	-	-	-	-	0.0	0.0	-	-	-	-	-
70.0	100.0	-	-	-	-	0.0	-	-	-	-	-	-
73.0	50.0	-	-	-	-	0.0	0.0	0.0	0.0	13.8	-	-
73.0	55.0	-	-	-	-	17.5	19.9	-	18.1	68.6	-	-
73.0	60.0	-	-	-	-	-	63.3	0.0	-	-	-	-
77.0	50.0	-	-	-	-	0.0	24.3	0.0	0.0	-	-	-
77.0	55.0	-	-	-	-	12.8	24.5	12.4	0.0	19.5	28.8	-
77.0	60.0	-	-	-	-	0.0	6.8	-	-	-	-	-
77.0	65.0	-	-	-	-	-	19.8	0.0	9.8	15.9	10.8	-
80.0	55.0	0.0	0.0	26.5	35.0	0.0	0.0	11.5	0.0	3.0	0.0	-
80.0	60.0	2.8	0.0	16.9	2.4	54.9	13.9	19.7	10.7	10.3	2.7	-
80.0	65.0	-	-	-	-	38.3	0.0	-	-	-	-	-
80.0	70.0	-	39.0	2.7	2.6	34.9	0.0	3.0	2.8	5.7	0.0	-
80.0	80.0	0.0	0.0	9.5	22.1	7.6	0.0	54.1	0.0	0.0	0.0	-
80.0	85.0	-	-	-	8.6	-	-	-	-	-	-	-
80.0	90.0	0.0	13.5	73.3	13.3	2.7	0.0	0.0	3.0	0.0	0.0	-
80.0	100.0	5.2	0.0	0.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0	55.0	-	-	10.1	28.4	45.2	-	-	-	-	-	-

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	-	-	2.9	67.1	10.6	-	-	-	-	-	-
83.0	65.0	-	-	-	33.5	-	-	-	-	-	-	-
83.0	70.0	-	-	17.1	87.3	29.4	-	-	-	-	-	-
83.0	75.0	-	-	-	2.9	0.0	-	-	-	-	-	-
83.0	80.0	-	-	19.2	2.7	114.5	-	-	-	-	-	-
83.0	90.0	-	-	17.4	2.8	16.6	-	-	-	-	-	-
85.0	38.0	1.5	0.0	-	-	-	7.2	5.6	0.0	0.0	0.0	-
85.0	40.0	151.3	6.6	-	-	-	10.5	0.0	0.0	0.0	0.0	-
85.0	45.0	-	-	-	-	-	8.8	-	-	-	-	-
85.0	50.0	1.9	0.0	-	-	-	0.0	3.1	0.0	0.0	0.0	-
85.0	55.0	-	-	-	-	-	38.5	-	-	-	-	-
85.0	60.0	0.0	8.3	-	-	-	0.0	11.4	8.5	0.0	0.0	-
85.0	70.0	9.1	0.0	-	-	-	13.6	-	-	-	-	-
85.0	80.0	-	-	-	-	-	12.8	-	-	-	-	-
85.0	90.0	-	-	-	-	-	6.5	-	-	-	-	-
87.0	35.0	-	-	9.5	0.0	16.6	-	-	-	-	-	-
87.0	40.0	-	-	0.0	0.0	14.5	-	-	-	-	-	-
87.0	45.0	-	-	-	0.0	16.9	-	-	-	-	-	-
87.0	50.0	-	-	6.8	8.0	1.6	-	-	-	-	-	-
87.0	55.0	-	-	-	31.0	125.1	-	-	-	-	-	-
87.0	60.0	-	-	5.8	68.6	53.0	-	-	-	-	-	-
87.0	65.0	-	-	-	49.1	-	-	-	-	-	-	-
87.0	70.0	-	-	0.0	26.0	78.4	-	-	-	-	-	-
87.0	75.0	-	-	-	2.9	-	-	-	-	-	-	-
87.0	80.0	-	-	3.2	0.0	8.6	-	-	-	-	-	-
87.0	90.0	-	-	2.6	-	-	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	10.2	5.4	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	0.0	7.2	12.3	10.9	26.9	24.6	0.0	2.6	3.5	0.0	-
90.0	31.0	-	-	-	-	9.0	-	-	-	-	-	-
90.0	33.0	-	-	-	-	36.4	-	-	-	-	-	-
90.0	35.0	-	-	-	-	23.6	-	-	-	-	-	-
90.0	37.0	0.0	0.0	5.2	3.2	21.5	34.8	0.0	0.0	-	0.0	-
90.0	39.0	-	-	-	-	14.8	-	-	-	-	-	-
90.0	41.0	-	-	-	-	24.6	-	-	-	-	-	-
90.0	45.0	2.4	2.8	43.0	7.0	9.3	0.0	0.0	7.1	3.4	0.0	-
90.0	53.0	0.0	0.0	11.7	14.6	57.1	42.3	11.6	14.3	5.9	0.0	-
90.0	60.0	0.0	11.3	34.0	0.0	6.1	8.1	0.0	0.0	0.0	10.5	-
90.0	70.0	0.0	0.0	0.0	-	0.0	7.7	0.0	0.0	0.0	0.0	-
90.0	80.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	0.0	0.0	2.9	8.9	-	-	-	-	-
93.0	27.0	0.0	0.0	2.4	2.6	2.6	0.0	5.1	0.0	0.0	0.0	-
93.0	30.0	0.0	5.0	3.0	6.4	24.7	8.3	4.7	6.8	0.0	0.0	-
93.0	35.0	-	-	-	65.4	22.5	15.7	-	-	-	-	-
93.0	40.0	0.0	2.4	21.6	16.8	21.2	11.4	2.6	3.0	0.0	0.0	-
93.0	45.0	-	-	-	19.4	14.1	37.0	-	-	-	-	-
93.0	50.0	4.7	2.6	6.3	19.0	38.2	5.2	5.5	5.1	0.0	0.0	-

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	55.0	-	-	-	34.9	91.0	42.3	-	-	-	-	-
93.0	60.0	0.0	16.7	11.1	32.7	3.7	27.5	-	-	-	-	-
93.0	80.0	-	-	7.5	0.0	3.8	0.0	-	-	-	-	-
97.0	30.0	0.0	0.0	-	1.7	0.0	0.0	0.0	0.0	-	0.0	-
97.0	32.0	0.0	0.0	0.0	-	21.3	6.8	7.6	12.2	3.2	0.0	-
97.0	35.0	-	-	-	25.8	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	2.8	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	15.8	18.4	9.1	5.7	3.8	3.2	0.0	-
97.0	45.0	-	-	-	85.8	11.7	5.9	-	-	-	-	-
97.0	50.0	0.0	5.3	5.9	0.0	38.1	19.6	13.8	0.0	0.0	0.0	-
97.0	55.0	-	-	-	7.0	15.3	8.0	-	-	-	-	-
97.0	60.0	0.0	0.0	0.0	8.3	19.5	10.5	-	-	-	-	-
97.0	65.0	-	-	-	4.0	15.7	-	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	6.4	0.0	-	-	-	-	-
97.0	80.0	-	-	0.0	3.7	0.0	2.3	-	-	-	-	-
100.0	29.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	1.4	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	2.5	10.8	6.7	0.0	0.0	0.0	0.0	-
100.0	45.0	-	-	-	4.7	0.0	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	3.3	2.3	0.0	5.4	0.0	6.2	0.0	0.0	-
100.0	55.0	-	-	-	0.0	0.0	3.3	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	3.0	0.0	3.1	0.0	0.0	0.0	-
100.0	65.0	-	-	-	0.0	3.7	-	-	-	-	-	-
100.0	70.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-
100.0	100.0	-	-	3.3	-	0.0	0.0	-	-	-	-	-
103.0	30.0	-	-	3.7	0.0	0.8	-	0.0	0.0	0.0	0.0	-
103.0	35.0	-	-	0.0	0.0	1.4	-	5.9	0.0	0.0	0.0	-
103.0	40.0	-	-	0.0	2.7	2.8	-	0.0	2.8	0.0	0.0	-
103.0	45.0	-	-	-	4.5	-	-	-	-	-	-	-
103.0	50.0	-	-	3.0	5.7	5.6	-	-	-	-	-	-
103.0	60.0	-	-	0.0	0.0	0.0	-	-	-	-	-	-
103.0	80.0	-	-	0.0	4.6	0.0	-	-	-	-	-	-
103.0	90.0	-	-	0.0	0.0	2.5	-	-	-	-	-	-
105.0	32.0	0.0	0.0	-	-	-	1.8	-	-	-	-	-
105.0	50.0	0.0	13.3	-	-	-	3.3	-	-	-	-	-
107.0	32.0	-	-	3.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-
107.0	40.0	-	-	0.0	0.0	0.0	-	3.9	0.0	-	-	-
107.0	45.0	-	-	-	2.2	0.0	-	-	-	-	-	-
107.0	50.0	-	-	0.0	3.4	3.0	-	-	-	-	-	-
107.0	55.0	-	-	-	-	3.0	-	-	-	-	-	-
110.0	33.0	0.0	-	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	35.0	0.0	0.0	0.0	6.5	8.2	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	30.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Synodus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	1.6	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	3.1	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	22.2	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.5	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	3.3	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.0	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	-
118.5	35.0	-	-	-	-	-	-	3.0	-	-	-	-
119.0	33.0	-	-	-	-	-	-	8.8	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.7	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	7.9	12.0	81.4	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	24.5	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	5.0	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	31.8	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.2	0.0	-
127.0	34.0	-	-	0.0	0.0	0.0	0.0	0.0	3.4	1.5	1.3	-
127.0	40.0	-	-	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-
130.0	30.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	2.5	157.5	11.1	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	-
133.0	25.0	18.0	7.8	0.0	0.0	0.0	-	0.0	0.0	23.6	40.3	-
133.0	30.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	41.8	-
133.0	40.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
137.0	23.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	108.8	2.1	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	3.3	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
147.0	20.0	1.4	-	-	-	-	-	-	-	-	-	-

Merluccius productus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	-	-	3.4	0.0	-	-	-	0.0	0.0	0.0	-
60.0	90.0	-	-	17.4	0.0	0.0	0.0	-	0.0	0.0	0.0	-
70.0	70.0	-	-	4.4	22.8	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	80.0	-	-	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	10.4	0.0	0.0	0.0	-	-	-	-	-
73.0	60.0	-	-	5.4	0.0	-	0.0	0.0	0.0	0.0	-	-
77.0	55.0	-	-	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	50.0	0.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	0.0	8.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	70.0	0.0	2386.3	2.7	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	0.0	134.5	2.4	9.8	5.8	0.0	0.0	0.0	0.0	0.0	-
80.0	90.0	0.0	-	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	100.0	0.0	-	0.0	2.7	0.0	0.0	0.0	6.2	0.0	0.0	-
83.0	55.0	-	-	17.6	3.2	0.0	-	-	-	-	-	-
83.0	60.0	-	-	2.9	15.5	0.0	-	-	-	-	-	-
83.0	90.0	-	-	2.2	0.0	0.0	-	-	-	-	-	-
85.0	38.0	4.6	16.0	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	40.0	2.5	44.2	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	60.0	0.0	14.5	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	70.0	0.0	0.0	-	-	-	0.0	-	-	-	-	-
87.0	35.0	-	-	3.8	0.0	0.0	-	-	-	-	-	-
87.0	40.0	-	-	0.0	3.1	0.0	-	-	-	-	-	-
87.0	50.0	-	-	2.7	0.0	0.0	-	-	-	-	-	-
87.0	55.0	-	-	-	6.2	0.0	-	-	-	-	-	-
87.0	60.0	-	-	20.3	0.0	0.0	-	-	-	-	-	-
87.0	65.0	-	-	-	6.1	-	-	-	-	-	-	-
87.0	70.0	-	-	37.3	8.7	11.2	-	-	-	-	-	-
87.0	80.0	-	-	83.5	2.5	2.9	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	2.4	7.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	8.1	10.3	0.0	0.0	0.0	0.0	0.0	-	0.0	-
90.0	41.0	-	-	-	-	6.1	-	-	-	-	-	-
90.0	45.0	4.8	2416.8	56.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	2136.2	97.3	11.7	6.0	0.0	0.0	0.0	0.0	0.0	-
90.0	60.0	0.0	188.9	61.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	65.0	-	-	-	6.1	0.0	-	-	-	-	-	-
90.0	70.0	0.0	144.3	2922.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	75.0	-	-	-	26.7	-	-	-	-	-	-	-
90.0	80.0	0.0	3156.2	165.7	16.7	0.0	0.0	-	-	-	-	-
90.0	90.0	0.0	1079.6	1935.0	10.5	0.0	0.0	-	-	-	-	-
90.0	100.0	-	-	993.3	-	0.0	0.0	-	-	-	-	-
93.0	27.0	4.2	13.0	21.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	3.9	155.0	35.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	40.0	0.0	257.0	74.2	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-
93.0	45.0	-	-	-	0.0	7.1	0.0	0.0	0.0	-	-	-
93.0	50.0	0.0	2753.5	369.3	3.2	1.4	0.0	0.0	0.0	0.0	0.0	-
93.0	55.0	-	-	-	2.9	3.5	0.0	-	-	-	-	-
93.0	60.0	0.0	633.8	385.0	3.3	0.0	0.0	-	-	-	-	-
93.0	65.0	-	-	-	29.3	0.0	-	-	-	-	-	-
93.0	70.0	0.0	82.6	158.1	26.9	0.0	0.0	-	-	-	-	-
93.0	75.0	-	-	-	38.4	-	-	-	-	-	-	-
93.0	80.0	-	-	1017.3	25.5	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	475.8	-	-	0.0	-	-	-	-	-
97.0	30.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-
97.0	32.0	2.4	293.5	36.9	-	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	35.0	-	-	-	7.4	-	-	-	-	-	-	-
97.0	40.0	0.0	273.0	46.1	6.3	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0	45.0	-	-	-	10.7	2.9	0.0	-	-	-	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	0.0	152.2	8.0	47.5	5.7	7.6	3.3	0.0	0.0	0.0	-
97.0	55.0	-	-	-	-	7.0	6.1	0.0	-	-	-	-
97.0	60.0	0.0	48.9	2066.8	233.6	8.3	1.4	0.0	-	-	-	-
97.0	65.0	-	-	-	-	4.0	9.4	-	-	-	-	-
97.0	70.0	2.6	0.0	1364.5	142.5	3.8	0.0	0.0	-	-	-	-
97.0	80.0	-	-	-	2542.2	0.0	0.0	0.0	-	-	-	-
97.0	90.0	-	-	-	690.9	0.0	0.0	0.0	-	-	-	-
100.0	29.0	-	-	14.8	17.6	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	30.0	-	2.3	36.5	29.5	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	40.0	0.0	67.8	57.1	53.3	0.0	1.5	0.0	0.0	0.0	0.0	-
100.0	50.0	-	0.0	9.1	84.5	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	60.0	-	0.0	507.0	57.6	6.0	1.5	0.0	0.0	0.0	0.0	-
100.0	80.0	0.0	2.8	11.3	9.6	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	90.0	0.0	0.0	947.9	22.1	0.0	0.0	0.0	-	-	-	-
100.0	100.0	-	-	-	219.8	0.0	0.0	0.0	-	-	-	-
103.0	30.0	-	-	-	11.2	0.0	0.0	0.0	0.0	0.0	0.0	-
103.0	40.0	-	-	-	25.5	0.0	2.8	0.0	0.0	0.0	0.0	-
103.0	45.0	-	-	-	-	0.0	-	-	-	-	-	-
103.0	50.0	-	-	-	184.1	0.0	0.0	-	-	-	-	-
103.0	60.0	-	-	-	18.9	0.0	5.6	-	-	-	-	-
103.0	70.0	-	-	-	25.4	0.0	0.0	-	-	-	-	-
103.0	80.0	-	-	-	59.4	0.0	0.0	-	-	-	-	-
103.0	90.0	-	-	-	231.4	0.0	0.0	-	-	-	-	-
105.0	35.0	0.0	0.0	33.4	-	-	-	0.0	-	-	-	-
105.0	40.0	0.0	0.0	9.8	-	-	-	0.0	-	-	-	-
105.0	50.0	0.0	0.0	92.8	-	-	-	0.0	-	-	-	-
105.0	60.0	0.0	0.0	2.8	-	-	-	0.0	-	-	-	-
107.0	32.0	-	-	-	28.7	0.0	0.0	-	0.0	0.0	0.0	-
107.0	40.0	-	-	-	6.3	0.0	0.0	0.0	0.0	-	-	-
107.0	50.0	-	-	-	25.1	0.0	0.0	-	-	-	-	-
107.0	80.0	-	-	-	33.8	0.0	0.0	-	-	-	-	-
110.0	33.0	0.0	6.9	-	6.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	35.0	0.0	830.8	21.8	6.2	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	5.1	40.9	19.9	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	50.0	0.0	0.0	324.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	60.0	-	0.0	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	5.4	41.3	0.0	0.0	0.0	-	-	-	-
113.0	30.0	-	36.3	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	-	339.7	649.0	28.7	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	40.0	-	3600.0	2.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	45.0	-	-	-	20.5	0.0	0.0	-	-	-	-	-
113.0	50.0	-	0.0	18.4	44.7	0.0	0.0	-	-	-	-	-
113.0	55.0	-	-	-	6.7	0.0	0.0	-	-	-	-	-
113.0	60.0	-	0.0	24.7	28.3	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	-	25.9	3.3	0.0	-	-	-	-	-
113.0	70.0	-	0.0	-	3.1	3.2	0.0	-	-	-	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	26.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	30.0	0.0	1.4	0.0	0.0	0.0	0.0	2.4	0.0	8.6	0.0	-
117.0	35.0	2.5	32.3	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	40.0	3.2	42.1	3.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-
117.0	45.0	-	27.7	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	3.0	103.7	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	116.1	1.5	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	4.1	0.0	0.0	-	10.5	-	-	-	-
118.5	30.0	-	-	-	-	-	-	3.0	-	-	-	-
118.5	35.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	-
120.0	25.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	30.0	16.1	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	35.0	10.5	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	40.0	-	0.0	0.0	1.3	0.0	-	2.5	-	-	-	-
120.0	43.0	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-
120.0	45.0	2.6	41.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	3.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	55.0	-	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	37.0	68.6	9.8	25.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	40.0	367.9	61.0	1.6	0.0	0.0	0.0	0.0	-	-	-	-
123.0	45.0	-	9.1	10.2	0.0	0.0	0.0	-	0.0	0.0	0.0	-
123.0	50.0	0.0	82.5	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	55.0	-	0.0	6.0	0.0	0.0	-	-	0.0	0.0	0.0	-
127.0	34.0	-	18.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	40.0	-	153.8	25.0	0.0	9.6	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	143.5	6.6	0.0	2.9	0.0	-	0.0	0.0	0.0	-
127.0	50.0	-	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	-	29.6	0.0	2.7	0.0	-	-	-	-	-	-
127.0	60.0	0.0	1.5	0.0	3.2	0.0	0.0	-	-	-	-	-
130.0	30.0	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	35.0	37.3	20.2	0.0	3.3	6.4	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	19.2	164.2	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	42.5	93.1	0.0	0.0	0.0	0.0	-	-	-	-
130.0	50.0	9.1	32.2	15.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	52.0	-	2.6	-	-	-	-	-	-	-	-	-
130.0	55.0	-	5.9	37.6	0.0	0.0	-	-	-	-	-	-
130.0	60.0	3.0	11.2	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	1.8	29.5	9.6	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	30.0	0.0	31.6	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	16.3	8.8	2.6	0.0	0.0	-	-	-	-	-
133.0	40.0	47.5	63.2	0.0	5.3	3.0	0.0	-	-	-	-	-
133.0	45.0	-	8.1	14.1	0.0	0.0	0.0	-	-	-	-	-
133.0	50.0	25.9	10.8	2.7	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	60.0	0.0	0.0	8.8	-	-	-	-	-	-	-	-
137.0	23.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	30.0	373.3	20.4	87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	35.0	-	-	247.2	5.9	0.0	0.0	-	-	-	-	-
137.0	40.0	211.2	106.9	359.8	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	0.0	5.8	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	3.3	-	15.0	2.6	0.0	0.0	26.0	-	-	-	-
140.0	30.0	32.1	-	-	-	-	-	-	-	-	-	-
140.0	35.0	233.2	-	-	-	-	-	-	-	-	-	-
140.0	40.0	157.6	-	-	-	-	-	-	-	-	-	-
143.0	26.0	1.6	-	-	-	-	-	-	-	-	-	-
143.0	30.0	23.0	-	-	-	-	-	-	-	-	-	-
150.0	25.0	8.1	-	-	-	-	-	-	-	-	-	-

Macrouridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-
80.0	100.0	2.8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	40.0	0.0	0.0	10.3	0.0	0.0	0.0	-	-	-	-	-
143.0	35.0	2.7	-	-	-	-	-	-	-	-	-	-

Ophidiiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	50.0	-	-	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-
73.0	55.0	-	-	-	0.0	20.4	0.0	-	-	-	-	-
73.0	60.0	-	-	0.0	0.0	-	2.5	0.0	0.0	0.0	-	-
77.0	50.0	-	-	0.0	0.0	0.0	2.7	0.0	0.0	-	-	-
77.0	55.0	-	-	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	-
80.0	70.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-
83.0	70.0	-	-	0.0	0.0	2.9	-	-	-	-	-	-
87.0	35.0	-	-	3.8	0.0	0.0	-	-	-	-	-	-
87.0	80.0	-	-	0.0	0.0	2.9	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	0.0	2.4	2.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-
93.0	60.0	0.0	0.0	0.0	6.5	0.0	0.0	-	-	-	-	-
97.0	45.0	-	-	-	0.0	2.9	0.0	-	-	-	-	-
97.0	50.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
107.0	45.0	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0	50.0	-	-	0.0	0.0	0.0	-	-	-	-	-	-
107.0	55.0	-	-	0.0	3.4	3.0	-	-	-	-	-	-

TABLE 4. (cont.)

Ophidiiformes (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	-
113.0	35.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0	-	-	0.0	-
115.0	27.0	1.5	-	-	-	-	-	-	-	-	-	-
117.0	30.0	1.5	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.5	-
118.5	35.0	-	-	-	-	-	-	3.0	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.4	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	6.1	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.5	0.0	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	6.3	1.6	-
133.0	25.0	1.8	0.0	0.0	0.0	0.0	-	0.0	0.0	2.6	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	2.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	44.2	0.0	-
137.0	30.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93.3	0.0	-

Brosomphycis marginata

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	60.0	-	-	-	10.7	0.0	0.0	-	-	-	-	-
73.0	50.0	-	-	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-
83.0	55.0	-	-	0.0	0.0	5.0	-	-	-	-	-	-
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	2.6	-
85.0	70.0	0.0	0.0	-	-	-	2.7	-	-	-	-	-
87.0	35.0	-	-	-	-	-	-	-	-	-	-	-
87.0	50.0	-	-	0.0	0.0	1.4	-	-	-	-	-	-
87.0	55.0	-	-	0.0	0.0	1.6	-	-	-	-	-	-
87.0	60.0	-	-	0.0	0.0	5.4	-	-	-	-	-	-
90.0	37.0	-	-	0.0	0.0	26.5	-	-	-	-	-	-
90.0	41.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	-	0.0	-
93.0	30.0	-	0.0	-	-	6.1	-	-	-	-	-	-
93.0	45.0	-	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	-	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
103.0	30.0	-	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
105.0	32.0	0.0	0.0	1.9	0.0	0.0	-	0.0	0.0	-	-	-

Carapidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	30.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Chilara taylori

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	-	0.0	-	0.0	0.0	-	0.0	5.0	0.0	-
70.0	70.0	-	-	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
80.0	90.0	0.0	-	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
85.0	60.0	0.0	0.0	-	-	-	0.0	0.0	5.6	0.0	0.0	-
93.0	40.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.0	3.2	0.0	-
100.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	-
117.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-
133.0	25.0	1.8	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.1	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	-

Ophidion scrippsae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	12.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	7.0	0.0	-
121.0	30.0	-	-	-	-	-	-	1.0	-	-	-	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	0.0	0.0	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	99.0	0.0	57.6	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	-

Ceratioidei

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	-

Gobiesocidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	23.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Exocoetidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
130.0 30.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Cololabis saira

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0 65.0	-	-	-	-	-	0.0	5.6	0.0	0.0	0.0	0.0	-
85.0 70.0	0.0	0.0	0.0	-	-	-	2.7	-	-	-	-	-
87.0 40.0	-	-	-	2.3	0.0	0.0	-	-	-	-	-	-
87.0 70.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
90.0 28.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-
90.0 37.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
90.0 70.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 100.0	-	-	-	0.0	-	2.8	0.0	-	-	-	-	-
93.0 35.0	-	-	-	-	6.5	0.0	0.0	-	-	-	-	-
93.0 40.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0 70.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-	-	-	-
97.0 50.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-
100.0 30.0	-	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 45.0	-	-	-	-	4.7	3.5	0.0	-	-	-	-	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-
100.0 75.0	-	-	-	-	1.9	-	-	-	-	-	-	-
100.0 80.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
103.0 35.0	-	-	-	0.0	0.0	1.2	-	0.0	0.0	0.0	0.0	-
103.0 45.0	-	-	-	-	2.3	-	-	-	-	-	-	-
107.0 80.0	-	-	-	0.0	0.0	3.0	-	-	-	-	-	-
110.0 45.0	-	-	-	-	0.0	2.6	-	-	-	-	-	-
110.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-
120.0 35.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0 40.0	-	-	0.0	2.9	0.0	0.0	-	-	-	-	-	-
120.0 60.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-
123.0 45.0	-	-	0.0	5.8	0.0	0.0	0.0	-	-	-	-	-
130.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-

Atherinidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0 50.0	-	-	-	0.0	1.6	0.0	-	-	-	-	-	-
90.0 28.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0 37.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
90.0 60.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0 27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	-
120.0 35.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Trachipteridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	80.0	-	-	-	-	-	6.4	-	-	-	-	-
47.0	60.0	-	-	-	-	-	6.4	-	-	-	-	-
60.0	60.0	-	-	0.0	-	0.0	0.0	-	0.0	0.0	3.0	-
60.0	90.0	-	-	0.0	0.0	0.0	0.0	6.3	0.0	0.0	3.0	-
70.0	70.0	-	-	0.0	22.8	0.0	0.0	0.0	0.0	0.0	2.8	-
70.0	80.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	0.0	0.0	0.0	3.2	-	-	-	-	-
73.0	55.0	-	-	-	0.0	2.9	0.0	-	-	-	-	-
73.0	60.0	-	-	2.7	0.0	-	0.0	0.0	0.0	6.2	-	-
77.0	50.0	-	-	0.0	0.0	0.0	2.7	0.0	0.0	-	-	-
80.0	51.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	-
83.0	80.0	-	0.0	0.0	2.7	0.0	-	-	-	-	-	-
85.0	50.0	1.9	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	-
87.0	50.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-
87.0	55.0	-	-	-	0.0	5.4	-	-	-	-	-	-
90.0	60.0	0.0	2.8	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-	-
93.0	40.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	75.0	-	-	-	3.2	-	-	-	-	-	-	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-
97.0	55.0	-	-	-	0.0	0.0	2.7	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
97.0	75.0	-	-	-	2.9	-	-	-	-	-	-	-
97.0	80.0	-	-	0.0	0.0	3.0	0.0	-	-	-	-	-
100.0	35.0	-	-	-	-	1.4	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-
100.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-
100.0	65.0	-	-	-	4.8	0.0	-	-	-	-	-	-
103.0	60.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
107.0	40.0	-	-	0.0	0.0	0.0	-	3.9	0.0	-	-	-
107.0	55.0	-	-	-	-	3.0	-	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-
120.0	60.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-

Melamphaes spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	-	0.0	-	0.0	2.3	-	0.0	0.0	0.0	-
60.0	80.0	-	-	0.0	2.8	-	-	-	0.0	0.0	0.0	-
60.0	90.0	-	-	0.0	0.0	2.8	0.0	-	0.0	0.0	0.0	-
67.0	55.0	-	-	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	55.0	-	-	5.5	0.0	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 60.0	-	-	-	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0 80.0	-	-	-	7.4	9.9	0.0	3.1	0.0	0.0	0.0	0.0	-
70.0 90.0	-	-	-	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0 100.0	-	-	-	-	5.9	2.7	0.0	-	-	-	-	-
73.0 55.0	-	-	-	-	0.0	2.9	0.0	-	-	-	-	-
77.0 50.0	-	-	-	1.5	0.0	0.0	0.0	0.0	0.0	-	-	-
77.0 60.0	-	-	-	-	2.9	0.0	0.0	0.0	0.0	-	-	-
80.0 60.0	0.0	2.8	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0 70.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	9.9	0.0	-
80.0 90.0	2.6	2.3	-	2.8	0.0	2.7	0.0	3.1	6.1	3.1	0.0	-
80.0 100.0	0.0	5.6	-	0.0	2.7	0.0	0.0	0.0	3.1	0.0	3.0	-
83.0 55.0	-	-	-	2.5	3.2	0.0	-	-	-	-	-	-
83.0 60.0	-	-	-	0.0	10.3	0.0	-	-	-	-	-	-
83.0 70.0	-	-	-	0.0	8.7	2.9	-	-	-	-	-	-
83.0 80.0	-	-	-	0.0	5.5	0.0	-	-	-	-	-	-
83.0 85.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-
83.0 90.0	-	-	-	8.7	0.0	0.0	-	-	-	-	-	-
85.0 40.0	0.0	0.0	0.0	-	-	-	2.6	0.0	0.0	0.0	0.0	-
87.0 55.0	-	-	-	-	0.0	5.4	-	-	-	-	-	-
87.0 60.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
87.0 70.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-	-
87.0 75.0	-	-	-	-	2.9	2.9	-	-	-	-	-	-
87.0 80.0	-	-	-	3.2	2.5	-	-	-	-	-	-	-
87.0 90.0	-	-	-	10.3	-	0.0	3.1	0.0	0.0	0.0	0.0	-
90.0 45.0	2.4	0.0	0.0	0.0	0.0	7.5	6.0	0.0	0.0	0.0	0.0	-
90.0 53.0	0.0	0.0	0.0	15.6	0.0	13.1	0.0	0.0	0.0	0.0	0.0	-
90.0 60.0	0.0	0.0	0.0	3.1	2.7	6.7	-	0.0	0.0	0.0	0.0	-
90.0 65.0	-	-	-	-	0.0	6.3	2.5	2.7	0.0	0.0	0.0	-
90.0 70.0	0.0	2.8	0.0	0.0	-	-	-	-	-	-	-	-
90.0 75.0	-	-	-	2.6	3.0	0.0	0.0	-	-	-	-	-
90.0 80.0	0.0	0.0	2.7	2.4	2.3	0.0	0.0	-	-	-	-	-
90.0 90.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	-	-	-	-	-
93.0 30.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	-
93.0 50.0	2.3	2.9	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	-
93.0 55.0	-	-	-	-	2.9	14.0	0.0	-	-	-	-	-
93.0 60.0	0.0	11.0	0.0	5.5	3.3	1.5	0.0	-	-	-	-	-
93.0 65.0	-	-	-	-	3.3	3.3	-	-	-	-	-	-
93.0 70.0	0.0	0.0	2.8	0.0	6.0	0.0	3.1	-	-	-	-	-
93.0 75.0	-	-	-	-	3.2	0.0	-	-	-	-	-	-
93.0 80.0	-	-	-	7.5	0.0	3.8	2.8	-	-	-	-	-
93.0 90.0	-	-	-	0.0	-	0.0	8.8	-	-	-	0.0	-
97.0 30.0	0.0	0.0	0.0	-	1.7	0.0	0.0	0.0	0.0	-	-	-
97.0 35.0	-	-	-	-	3.7	-	-	-	-	-	-	-
97.0 36.0	-	-	-	-	-	2.8	-	-	-	-	-	-
97.0 40.0	0.0	0.0	0.0	0.0	3.2	0.0	3.0	5.7	0.0	0.0	0.0	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	45.0	-	-	-	5.4	0.0	0.0	-	-	-	-	-
97.0	50.0	0.0	2.7	0.0	0.0	0.0	6.5	2.8	0.0	0.0	0.0	-
97.0	55.0	-	-	-	7.0	3.1	0.0	-	-	-	-	-
97.0	60.0	0.0	2.9	3.3	4.1	4.4	0.0	-	-	-	-	-
97.0	65.0	-	-	-	11.9	6.3	-	-	-	-	-	-
97.0	70.0	0.0	0.0	2.8	3.8	6.4	0.0	-	-	-	-	-
97.0	75.0	-	-	-	2.9	-	-	-	-	-	-	-
97.0	80.0	-	-	2.8	0.0	6.1	4.6	-	-	-	-	-
97.0	90.0	-	-	0.0	0.0	6.7	23.4	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	2.1	0.0	-
100.0	50.0	0.0	0.0	3.3	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
100.0	55.0	-	-	-	0.0	0.0	6.6	-	-	-	-	-
100.0	60.0	0.0	0.0	6.4	3.0	0.0	0.0	3.1	0.0	0.0	0.0	-
100.0	65.0	-	-	-	4.8	3.7	-	0.0	0.0	-	-	-
100.0	70.0	0.0	2.4	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	-
100.0	75.0	-	-	-	1.9	-	-	-	-	-	-	-
100.0	80.0	0.0	0.0	6.4	2.3	0.0	2.8	2.2	0.0	2.5	0.0	-
100.0	90.0	0.0	0.0	0.0	5.9	0.0	2.7	-	0.0	2.3	0.0	-
103.0	40.0	-	-	0.0	0.0	0.0	-	0.0	-	-	-	-
103.0	45.0	-	-	-	2.3	0.0	-	-	-	-	-	-
103.0	50.0	-	-	0.0	2.8	0.0	-	-	-	-	-	-
103.0	60.0	-	-	3.2	3.0	0.0	-	-	-	-	-	-
103.0	65.0	-	-	-	2.7	3.7	-	-	-	-	-	-
103.0	70.0	-	-	0.0	3.2	0.0	-	-	-	-	-	-
103.0	75.0	-	-	-	4.8	2.9	-	-	-	-	-	-
103.0	80.0	-	-	3.3	2.3	7.5	-	-	-	-	-	-
103.0	90.0	-	-	0.0	0.0	5.0	-	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
105.0	60.0	2.8	0.0	-	-	-	0.0	-	-	-	-	-
105.0	70.0	0.0	0.0	-	-	-	11.6	-	-	-	-	-
105.0	80.0	2.4	0.0	-	-	-	0.0	-	-	-	-	-
105.0	90.0	-	-	-	-	-	3.0	-	-	-	-	-
107.0	35.0	-	-	0.0	0.0	0.0	-	2.8	0.0	2.7	0.0	-
107.0	40.0	-	-	0.0	0.0	3.1	-	0.0	0.0	-	-	-
107.0	45.0	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0	50.0	-	-	7.2	0.0	3.0	-	-	-	-	-	-
107.0	60.0	-	-	0.0	7.7	3.0	-	-	-	-	-	-
107.0	65.0	-	-	-	-	7.2	-	-	-	-	-	-
107.0	70.0	-	-	0.0	10.6	0.0	-	-	-	-	-	-
107.0	80.0	-	-	0.0	0.0	3.0	-	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	45.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	3.0	3.0	14.8	0.0	0.0	0.0	0.0	0.0	2.6	-
110.0	55.0	-	-	-	0.0	0.0	-	-	-	-	-	-
110.0	60.0	-	0.0	0.0	3.0	3.2	5.9	0.0	0.0	6.0	0.0	-
110.0	65.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	70.0	0.0	0.0	0.0	3.5	3.6	0.0	-	-	-	-	-
110.0	80.0	0.0	-	3.2	0.0	12.4	0.0	-	-	-	-	-
110.0	90.0	0.0	-	0.0	0.0	10.1	0.0	-	-	-	-	-
113.0	35.0	0.0	0.0	1.5	6.3	0.0	0.0	0.0	-	-	0.0	-
113.0	40.0	0.0	0.0	1.4	3.1	0.0	0.0	0.0	6.5	0.0	0.0	-
113.0	45.0	-	-	0.0	2.5	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	-	-
113.0	55.0	-	-	0.0	6.2	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	2.7	0.0	3.1	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	0.0	3.3	0.0	-	-	-	-	-	-
113.0	70.0	0.0	-	0.0	6.4	2.9	0.0	-	-	-	-	-
117.0	40.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	60.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-
117.0	70.0	0.0	-	0.0	0.0	3.3	0.0	-	-	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	-
120.0	55.0	-	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	3.3	2.1	0.0	0.0	0.0	2.4	-
120.0	65.0	-	0.0	0.0	0.0	3.3	-	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	-
120.0	80.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.4	0.0	-
120.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	3.0	0.0	-
127.0	50.0	-	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-
127.0	60.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
127.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0	1.6	-
130.0	40.0	-	0.0	0.0	0.0	3.0	0.0	-	-	-	-	-
130.0	45.0	-	0.0	0.0	0.0	0.0	0.0	3.2	3.6	0.0	0.0	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
130.0	55.0	-	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.1	3.0	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
130.0	80.0	3.2	-	-	-	-	-	-	-	-	-	-
133.0	45.0	-	0.0	0.0	2.2	0.0	0.0	-	-	-	-	-
137.0	35.0	-	-	0.0	2.0	0.0	0.0	-	-	-	-	-
137.0	40.0	0.0	0.0	10.3	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	0.0	0.0	4.6	2.8	0.0	-	-	-	-	-
137.0	60.0	-	0.0	0.0	-	-	-	-	-	-	-	-
140.0	50.0	-	0.0	2.7	-	-	-	-	-	-	-	-
150.0	40.0	-	-	-	-	-	-	-	-	-	-	-

Poromitra spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	45.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	70.0	0.0	-	1.5	0.0	0.0	0.0	-	-	-	-	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-

TABLE 4. (cont.)

Scopelogadus bispinosus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
117.0 50.0	-	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0 40.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-
147.0 30.0	-	2.3	-	-	-	-	-	-	-	-	-	-

Syngnathus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
100.0 29.0	0.0	-	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
100.0 35.0	-	-	-	-	-	1.4	0.0	-	-	-	-	-
103.0 30.0	-	-	-	0.0	0.0	2.4	-	0.0	4.1	0.0	0.0	-
133.0 25.0	0.0	0.0	0.8	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-

Agonidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0 43.0	-	-	-	-	10.7	2.4	-	-	-	-	-	-
87.0 40.0	-	-	-	2.3	0.0	0.0	-	-	-	-	-	-
105.0 32.0	0.0	0.0	1.6	-	-	-	0.0	-	-	-	-	-

Anoplopoma fimbria

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 55.0	-	-	-	2.7	0.0	0.0	-	-	-	-	-	-

Cottidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0 52.0	-	-	-	-	-	1.7	-	-	-	-	-	-
63.0 52.0	-	-	-	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-
63.0 55.0	-	-	-	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	-
70.0 51.0	-	-	-	-	-	-	0.0	0.0	0.0	-	20.2	-
80.0 51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	-
80.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-
83.0 43.0	-	-	-	-	0.0	4.8	-	-	-	-	-	-
83.0 70.0	-	-	-	0.0	0.0	2.9	-	-	-	-	-	-
85.0 38.0	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	2.6	-
87.0 50.0	-	-	-	0.0	3.2	14.6	-	-	-	-	-	-
87.0 55.0	-	-	-	-	0.0	5.4	-	-	-	-	-	-
87.0 60.0	-	-	-	0.0	0.0	79.4	-	-	-	-	-	-

TABLE 4. (cont.)

Cottidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	30.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	27.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	30.0	0.0	0.0	-	1.7	0.0	0.0	0.0	0.0	-	0.0	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	2.4	-
97.0	40.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	0.0	4.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	30.0	-	5.6	2.7	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-
103.0	30.0	-	-	3.7	10.6	0.0	-	0.0	0.0	0.0	0.0	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	5.6	0.0	0.0	-
113.0	30.0	-	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	2.2	-
117.0	26.0	-	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-
117.0	30.0	-	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-
120.0	35.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	40.0	-	0.0	0.0	0.0	1.9	-	-	-	-	-	-
120.0	45.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	37.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-
127.0	34.0	-	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Scorpaenichthys marmoratus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
57.0	51.0	-	-	-	-	10.3	0.0	-	-	-	-	-
80.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	55.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	-

Cyclopteridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	50.0	-	-	-	-	-	11.0	-	-	-	-	-
53.0	55.0	-	-	-	-	3.8	0.0	-	-	-	-	-
57.0	55.0	-	-	-	-	2.2	0.0	-	-	-	-	-
63.0	52.0	-	-	0.0	2.1	1.7	0.0	0.0	0.0	2.4	0.0	-
73.0	50.0	-	-	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
100.0	29.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-
100.0	30.0	-	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
103.0	30.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	3.7	0.0	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
113.0	30.0	-	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-

TABLE 4. (cont.)

Ophiodon elongatus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0 50.0	-	-	-	1.5	0.0	0.0	0.0	0.0	0.0	-	-	-

Zaniolepis spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 51.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-

Scorpaenidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	15.8	0.0	0.0	-
120.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	3.1	0.0	0.0	-
120.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	-
123.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-
137.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	14.8	0.0	0.0	-	-

Sebastes spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0 50.0	-	-	-	-	-	-	17.6	-	-	-	-	-
40.0 60.0	-	-	-	-	-	-	53.6	-	-	-	-	-
40.0 70.0	-	-	-	-	-	-	11.9	-	-	-	-	-
40.0 80.0	-	-	-	-	-	-	6.4	-	-	-	-	-
47.0 50.0	-	-	-	-	-	-	44.2	-	-	-	-	-
47.0 55.0	-	-	-	-	-	-	121.3	-	-	-	-	-
47.0 60.0	-	-	-	-	-	-	44.7	-	-	-	-	-
50.0 47.0	-	-	-	-	-	-	2.7	-	-	-	-	-
50.0 50.0	-	-	-	-	-	33.4	0.0	-	-	-	-	-
50.0 55.0	-	-	-	-	-	-	37.0	-	-	-	-	-
50.0 60.0	-	-	-	-	-	-	2.6	-	-	-	-	-
50.0 70.0	-	-	-	-	-	-	2.9	-	-	-	-	-
53.0 52.0	-	-	-	-	-	8.6	-	-	-	-	-	-
53.0 55.0	-	-	-	-	-	11.5	22.8	-	-	-	-	-
53.0 60.0	-	-	-	-	-	-	5.8	-	-	-	-	-
57.0 51.0	-	-	-	-	-	0.0	1.5	-	-	-	-	-
57.0 55.0	-	-	-	-	-	17.8	44.2	-	-	-	-	-
57.0 60.0	-	-	-	-	-	-	4.6	-	-	-	-	-
57.0 65.0	-	-	-	-	-	16.0	6.0	-	-	-	-	-
60.0 55.0	-	-	-	3.7	-	101.9	-	0.0	3.2	25.9	10.3	-
60.0 57.0	-	-	-	-	-	-	19.3	-	-	-	-	-
60.0 60.0	-	-	-	15.8	-	211.7	72.8	-	0.0	0.0	6.0	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	65.0	-	-	23.5	-	6.1	-	-	-	-	-	-
60.0	70.0	-	-	0.0	-	5.8	58.0	-	0.0	24.8	5.8	-
60.0	90.0	-	-	-	0.0	0.0	18.1	-	0.0	0.0	0.0	-
60.0	100.0	-	-	-	2.8	3.2	-	-	0.0	0.0	0.0	-
63.0	52.0	-	-	0.0	2.1	3.4	0.0	0.0	11.0	2.4	7.0	-
63.0	55.0	-	-	77.5	12.2	18.6	21.5	0.0	9.1	11.1	5.4	-
63.0	60.0	-	-	-	32.0	5.8	44.0	6.6	-	-	-	-
63.0	65.0	-	-	-	13.4	0.0	5.3	-	-	-	-	-
67.0	50.0	-	-	13.2	0.0	5.3	-	0.0	12.6	-	6.5	-
67.0	55.0	-	-	24.1	0.0	32.4	77.4	30.9	31.2	0.0	0.0	-
67.0	60.0	-	-	-	-	0.0	3.2	16.5	-	12.4	0.0	-
67.0	65.0	-	-	-	-	0.0	0.0	0.0	0.0	-	12.6	-
70.0	51.0	-	-	-	-	-	0.0	0.0	-	-	-	-
70.0	55.0	-	-	5.5	0.0	8.2	-	5.9	4.8	0.0	13.4	-
70.0	60.0	-	-	28.6	0.0	12.7	0.0	-	-	-	-	-
70.0	65.0	-	-	-	22.7	11.2	0.0	12.6	9.6	2.9	0.0	-
70.0	70.0	-	-	0.0	45.5	12.6	93.4	-	-	-	-	-
70.0	75.0	-	-	-	-	24.9	-	-	-	-	-	-
70.0	80.0	-	-	4.9	0.0	19.1	3.1	5.2	5.2	0.0	0.0	-
70.0	90.0	-	-	14.6	0.0	0.0	0.0	2.6	-	13.8	-	-
73.0	50.0	-	-	61.7	20.2	0.0	4.6	-	0.0	-	-	-
73.0	55.0	-	-	-	28.6	29.2	69.7	-	-	31.2	-	-
73.0	60.0	-	-	40.4	0.0	-	22.8	0.0	0.0	-	-	-
77.0	50.0	-	-	22.5	10.8	0.0	148.5	0.0	0.0	-	0.0	-
77.0	55.0	-	-	95.2	32.9	70.6	49.0	12.4	0.0	26.0	-	-
77.0	60.0	-	-	-	8.7	0.0	13.6	-	-	-	-	-
77.0	65.0	-	-	-	6.4	-	39.6	24.2	16.3	0.0	0.0	-
80.0	51.0	15.6	0.0	85.2	2.5	3.4	3.9	0.0	1.3	0.0	13.8	-
80.0	55.0	62.0	10.1	26.5	2.8	16.3	11.1	5.8	15.3	231.0	32.8	-
80.0	60.0	33.4	25.3	11.2	23.9	40.5	27.8	6.6	24.9	23.2	0.0	-
80.0	65.0	-	-	-	-	6.4	10.2	-	-	-	-	-
80.0	70.0	0.0	19.5	0.0	0.0	23.3	0.0	3.0	0.0	0.0	0.0	-
80.0	80.0	0.0	59.2	0.0	4.9	0.0	0.0	2.8	0.0	0.0	0.0	-
80.0	90.0	11.5	-	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	100.0	13.5	-	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	100.0	2.8	-	-	0.0	-	-	-	-	-	-	-
83.0	43.0	-	-	-	0.0	9.6	-	-	-	-	-	-
83.0	55.0	-	-	78.1	31.6	135.5	-	-	-	-	-	-
83.0	60.0	-	-	82.9	51.6	10.6	-	-	-	-	-	-
83.0	65.0	-	-	-	22.3	-	-	-	-	-	-	-
83.0	70.0	-	-	77.0	5.8	41.2	-	-	-	-	-	-
83.0	80.0	-	-	0.0	0.0	17.0	-	-	-	-	-	-
83.0	90.0	-	-	2.2	0.0	0.0	-	-	-	-	-	-
85.0	38.0	77.3	304.0	-	-	21.7	-	11.3	29.1	13.7	48.6	-
85.0	40.0	202.4	240.9	-	-	10.5	10.5	0.0	13.5	3.4	10.2	-
85.0	45.0	-	-	-	-	2.9	2.9	-	-	-	-	-
85.0	50.0	75.9	123.1	-	-	0.0	0.0	12.4	9.3	19.6	2.6	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	55.0	-	-	-	-	-	6.4	-	-	-	-	-
85.0	60.0	9.5	35.2	-	-	-	12.0	11.4	8.5	3.0	0.0	-
85.0	70.0	0.0	0.0	-	-	-	21.8	-	-	-	-	-
85.0	80.0	-	-	-	-	-	5.1	-	-	-	-	-
87.0	35.0	-	-	228.0	14.8	19.5	-	-	-	-	-	-
87.0	40.0	-	-	67.9	0.0	9.6	-	-	-	-	-	-
87.0	45.0	-	-	-	3.0	14.5	-	-	-	-	-	-
87.0	50.0	-	-	54.4	100.2	1.6	-	-	-	-	-	-
87.0	55.0	-	-	-	145.7	130.6	-	-	-	-	-	-
87.0	60.0	-	-	8.7	109.8	132.4	-	-	-	-	-	-
87.0	65.0	-	-	-	30.7	-	-	-	-	-	-	-
87.0	70.0	-	-	0.0	26.0	89.6	-	-	-	-	-	-
87.0	75.0	-	-	-	14.5	-	-	-	-	-	-	-
87.0	80.0	-	-	0.0	0.0	8.6	-	-	-	-	-	-
90.0	28.0	13.9	8.8	24.8	17.9	0.0	0.0	14.4	7.0	3.0	7.1	-
90.0	30.0	7.7	145.8	237.7	15.3	10.5	6.1	90.9	0.0	0.0	29.4	-
90.0	33.0	-	-	-	-	50.4	-	-	-	-	-	-
90.0	35.0	-	43.0	141.9	25.2	23.6	18.8	2.7	2.8	-	0.0	-
90.0	41.0	-	-	-	-	15.3	-	-	-	-	-	-
90.0	45.0	94.2	39.8	86.1	39.9	65.2	6.2	0.0	0.0	6.8	0.0	-
90.0	53.0	36.0	0.0	73.9	146.0	14.8	0.0	11.6	0.0	0.0	0.0	-
90.0	60.0	7.5	8.5	0.0	0.0	8.4	2.7	8.6	0.0	0.0	7.9	-
90.0	70.0	2.8	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
93.0	27.0	1.4	55.8	216.0	12.9	0.0	0.0	20.5	0.0	5.6	70.8	-
93.0	30.0	4.1	45.0	44.3	19.2	19.3	8.3	4.7	4.5	0.0	22.4	-
93.0	35.0	-	-	-	42.5	16.1	0.0	-	-	-	-	-
93.0	40.0	33.7	40.5	52.5	43.7	29.4	5.7	2.6	0.0	0.0	4.6	-
93.0	45.0	-	-	-	48.6	91.8	18.5	-	0.0	-	-	-
93.0	50.0	11.6	60.0	0.0	139.5	95.2	10.3	0.0	0.0	0.0	5.3	-
93.0	55.0	-	-	-	116.4	21.0	6.0	-	-	-	-	-
93.0	60.0	117.8	0.0	2.8	85.0	0.0	5.5	-	-	-	-	-
93.0	80.0	-	-	3.7	0.0	0.0	0.0	-	-	-	-	-
97.0	30.0	46.0	18.7	-	49.8	22.3	7.8	0.0	3.0	-	11.3	-
97.0	32.0	18.3	8.6	36.9	-	3.0	6.8	2.5	12.2	0.0	0.0	-
97.0	35.0	-	-	-	25.8	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	36.8	-	-	-	-	-	-
97.0	40.0	11.7	26.0	5.8	69.3	35.1	9.1	28.6	7.6	3.2	0.0	-
97.0	45.0	-	-	-	235.8	79.1	0.0	-	-	-	-	-
97.0	50.0	0.0	29.4	118.8	2.9	73.9	6.5	2.8	0.0	0.0	0.0	-
97.0	55.0	-	-	-	3.5	202.0	8.0	-	-	-	-	-
97.0	60.0	0.0	73.5	42.8	0.0	164.8	5.2	-	-	-	-	-
97.0	65.0	-	-	-	0.0	37.7	-	-	-	-	-	-
97.0	70.0	0.0	32.9	5.7	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	90.0	-	-	3.3	0.0	0.0	0.0	-	-	-	-	-
100.0	29.0	5.0	29.6	255.2	24.8	0.0	3.2	0.0	9.5	15.6	-	-
100.0	30.0	-	81.5	176.9	19.0	3.8	0.0	0.0	0.0	33.6	11.3	-
100.0	35.0	212.0	-	-	-	10.2	3.1	-	0.0	-	13.0	-
100.0	40.0	48.8	24.5	0.0	25.4	35.3	0.0	2.3	0.0	0.0	1.8	-
100.0	45.0	-	-	-	18.9	35.3	5.5	-	0.0	-	-	-
100.0	50.0	0.0	3.0	3.3	29.6	35.2	2.7	0.0	0.0	0.0	0.0	-
100.0	55.0	-	-	-	52.2	59.6	6.6	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	17.9	25.6	0.0	0.0	0.0	0.0	0.0	-
100.0	65.0	-	-	-	19.4	14.9	-	0.0	0.0	0.0	0.0	-
100.0	70.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	-
100.0	100.0	-	-	3.3	-	0.0	0.0	-	4.1	3.7	4.8	-
103.0	30.0	-	-	277.1	16.0	0.8	-	0.0	4.1	3.7	0.0	-
103.0	35.0	-	-	111.5	2.8	5.8	-	0.0	3.4	8.8	0.0	-
103.0	40.0	-	-	9.6	29.4	8.5	-	0.0	0.0	0.0	0.0	-
103.0	45.0	-	-	-	36.2	-	-	-	-	-	-	-
103.0	50.0	-	-	142.6	8.5	5.6	-	-	-	-	-	-
103.0	55.0	-	-	-	-	7.5	-	-	-	-	-	-
103.0	60.0	-	-	3.2	0.0	14.0	-	-	-	-	-	-
103.0	80.0	-	-	0.0	2.3	0.0	-	-	-	-	-	-
105.0	32.0	26.6	17.5	-	-	-	3.6	-	-	-	-	-
105.0	35.0	16.6	54.0	-	-	-	10.8	-	-	-	-	-
105.0	40.0	0.0	2.5	-	-	-	3.2	-	-	-	-	-
105.0	45.0	0.0	8.0	-	-	-	3.3	-	-	-	-	-
105.0	50.0	-	-	-	-	-	4.9	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.8	-	-	-	-	-
105.0	60.0	6.1	0.0	-	-	-	0.0	-	-	-	-	-
105.0	70.0	2.7	3.8	-	-	-	-	0.0	5.6	3.9	4.7	-
107.0	32.0	-	-	47.9	12.8	0.0	-	0.0	0.0	0.0	3.1	-
107.0	35.0	-	-	14.8	17.3	22.5	-	0.0	0.0	0.0	-	-
107.0	40.0	-	-	12.6	0.0	9.3	-	0.0	0.0	0.0	-	-
107.0	45.0	-	-	-	6.6	0.0	-	-	-	-	-	-
107.0	50.0	-	-	68.2	24.0	9.1	-	-	-	-	-	-
107.0	55.0	-	-	-	-	33.3	-	-	-	-	-	-
107.0	60.0	-	-	0.0	5.1	5.9	-	-	-	-	-	-
110.0	33.0	37.3	-	119.2	8.0	0.0	0.0	2.3	0.0	0.0	16.2	-
110.0	35.0	20.6	5.4	142.6	13.0	2.7	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	2.5	8.8	10.0	36.4	0.0	2.5	0.0	0.0	0.0	0.0	-
110.0	45.0	-	-	-	9.9	7.8	-	0.0	0.0	0.0	0.0	-
110.0	50.0	0.0	0.0	5.9	0.0	7.2	0.0	0.0	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	5.9	0.0	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	-	3.2	0.0	0.0	0.0	-	-	-	-	-
113.0	30.0	47.9	159.6	26.1	14.5	0.0	3.4	3.1	0.0	0.0	42.2	-
113.0	35.0	104.3	26.6	1.5	0.0	2.8	8.4	0.0	0.0	0.0	0.0	-
113.0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	6.7	0.0	-
113.0	55.0	-	-	3.3	0.0	9.7	5.1	-	-	-	-	-
113.0	60.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	65.0	-	-	2.8	0.0	0.0	-	-	-	-	-	-
117.0	26.0	21.7	24.9	11.1	0.0	15.0	7.0	2.2	0.0	0.0	3.3	-
117.0	30.0	8.7	9.9	22.2	0.0	14.4	22.2	0.0	0.0	0.0	0.0	-
117.0	35.0	63.8	63.1	6.0	21.4	14.8	0.0	0.0	-	0.0	0.0	-
117.0	40.0	22.3	75.7	181.2	0.0	8.9	6.8	0.0	0.0	0.0	0.0	-
117.0	45.0	-	0.0	0.0	2.2	19.1	0.0	-	-	-	-	-
117.0	50.0	8.9	10.2	0.0	13.1	3.3	0.0	-	-	-	-	-
117.0	55.0	-	0.0	0.0	0.0	3.8	4.3	-	-	-	-	-
117.0	60.0	0.0	13.5	1.5	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	0.0	0.0	3.1	0.0	-	-	-	-	-
117.0	70.0	8.5	-	1.4	0.0	0.0	0.0	-	-	-	-	-
118.0	35.0	-	-	-	-	-	0.0	3.0	-	-	-	-
118.5	30.0	-	-	-	-	-	-	5.2	-	-	-	-
120.0	25.0	0.0	0.0	0.0	5.8	4.1	9.1	0.0	0.0	2.4	0.0	-
120.0	30.0	1.8	29.8	18.4	3.9	29.1	66.2	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	34.5	0.0	0.0	8.4	6.4	0.0	0.0	0.0	0.0	-
120.0	37.0	-	-	-	-	-	4.4	-	-	-	-	-
120.0	40.0	-	48.5	1.5	1.3	0.0	-	-	-	-	-	-
120.0	45.0	3.4	250.0	0.0	0.0	3.0	10.4	0.0	0.0	0.0	0.0	-
120.0	50.0	2.9	13.5	24.4	6.2	0.0	0.0	5.9	0.0	2.5	0.0	-
120.0	55.0	-	2.9	0.0	5.2	12.5	0.0	-	-	-	-	-
123.0	37.0	10.6	24.5	72.5	121.3	63.8	0.0	0.0	0.0	0.0	0.0	-
123.0	40.0	5.8	46.2	1.6	21.5	21.5	0.0	3.3	0.0	0.0	0.0	-
123.0	45.0	-	18.3	13.1	4.1	3.0	2.5	-	-	-	-	-
123.0	50.0	0.0	0.0	2.8	0.0	0.0	6.2	0.0	0.0	0.0	0.0	-
123.0	55.0	-	0.0	0.0	2.6	0.0	-	-	-	-	-	-
127.0	34.0	-	71.3	31.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	40.0	-	18.4	47.0	0.0	9.6	9.8	0.0	0.0	0.0	-	-
127.0	45.0	-	11.0	23.2	6.7	0.0	8.6	0.0	0.0	0.0	-	-
127.0	50.0	-	3.1	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	-	14.8	0.0	0.0	0.0	-	-	-	-	-	-
130.0	30.0	1.6	17.3	2.7	0.0	25.6	0.0	0.0	0.0	0.0	0.0	-
130.0	35.0	0.0	49.1	0.0	3.3	6.4	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	0.0	80.6	2.9	2.7	7.0	8.7	0.0	0.0	0.0	0.0	-
130.0	50.0	0.0	4.7	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	0.0	12.3	14.4	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	30.0	8.7	31.5	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	35.0	-	0.0	0.0	2.6	6.6	0.0	-	-	-	-	-
133.0	40.0	0.0	1.3	0.0	0.0	3.0	0.0	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	-	3.0	-	-	-	-	-
137.0	30.0	0.0	4.0	43.5	0.0	0.0	1.4	0.0	0.0	0.0	0.0	-
137.0	35.0	-	-	5.3	0.0	0.0	0.0	-	-	-	-	-
137.0	40.0	0.0	12.8	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	45.0	-	0.0	11.5	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	0.0	-	0.0	0.0	0.0	14.9	0.0	-	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0	30.0	-	7.4	-	-	-	-	-	-	-	-	-

Sebastolobus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	70.0	-	-	-	-	-	17.8	-	-	-	-	-
40.0	80.0	-	-	-	-	-	6.4	-	-	-	-	-
40.0	90.0	-	-	-	-	-	24.6	-	-	-	-	-
50.0	60.0	-	-	-	-	-	2.6	-	-	-	-	-
53.0	60.0	-	-	-	-	-	5.8	-	-	-	-	-
60.0	80.0	-	-	0.0	0.0	-	-	-	3.2	0.0	0.0	-
67.0	65.0	-	-	0.0	0.0	0.0	11.2	3.3	0.0	0.0	0.0	-
70.0	80.0	-	-	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	2.1	0.0	0.0	0.0	-	-	-	-	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	-
80.0	80.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-
85.0	80.0	-	-	-	-	-	5.1	-	-	-	-	-
97.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	65.0	-	-	-	4.8	0.0	-	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-

Prionotus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	70.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	82.6	0.0	0.0	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	366.3	0.0	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	3.3	0.0	62.9	0.0	-
133.0	30.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	-
137.0	23.0	17.3	0.0	0.0	0.0	0.0	0.0	30.4	11.8	513.4	2.1	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1	0.0	-
147.0	20.0	-	-	-	-	-	-	-	-	-	-	-

Hypsoblennius spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	-	-	0.0	0.0	1.0	-	-	-	-	-	-
87.0	40.0	-	-	0.0	0.0	4.8	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	-
93.0	27.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Hypsoblennius spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 30.0	0.0	0.0	0.0	-	1.7	0.0	0.0	0.0	0.0	-	0.0	-
97.0 32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.0	0.0	0.0	-
100.0 29.0	0.0	-	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
100.0 30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-
113.0 40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.7	0.0	-
115.0 30.0	-	-	-	-	-	-	-	5.0	-	-	-	-
117.0 26.0	-	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.6	0.0	-
117.0 30.0	-	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	-
118.5 25.0	-	-	-	-	-	-	-	2.2	-	-	-	-
118.5 35.0	-	-	-	-	-	-	-	3.0	-	-	-	-
120.0 30.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	-
120.0 35.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0 37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	-
123.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	-
123.0 45.0	-	-	0.0	0.0	0.0	0.0	2.5	-	-	-	-	-
127.0 34.0	0.0	-	0.0	0.0	0.0	0.0	0.0	42.4	13.8	0.0	0.0	-
127.0 40.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-
130.0 30.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	12.4	30.0	0.0	-
130.0 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	-
133.0 25.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.3	0.0	15.7	0.0	-
133.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	-
133.0 35.0	-	-	0.0	0.0	0.0	0.0	2.3	-	-	-	-	-

Clinidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 28.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0 30.0	0.0	0.0	0.0	-	0.0	0.0	0.0	3.4	0.0	-	0.0	-
103.0 30.0	-	-	-	0.0	0.0	0.0	-	6.1	0.0	0.0	0.0	-
120.0 40.0	-	-	0.0	0.0	0.0	1.9	-	-	-	-	-	-

Gobiidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0 50.0	-	-	-	0.0	0.0	0.0	-	0.0	4.7	-	0.0	-
67.0 55.0	-	-	-	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-
70.0 70.0	-	-	-	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	-
70.0 80.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-
73.0 60.0	-	-	-	0.0	3.0	-	2.5	0.0	0.0	0.0	-	-
77.0 50.0	-	-	-	0.0	0.0	0.0	0.0	2.6	0.0	-	-	-
77.0 55.0	-	-	-	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	-
80.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	6.1	3.0	0.0	-
80.0 90.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0 43.0	-	-	-	-	0.0	36.2	-	-	-	-	-	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	55.0	-	-	2.5	6.3	5.0	-	-	-	-	-	-
83.0	70.0	-	-	0.0	0.0	2.9	-	-	-	-	-	-
85.0	38.0	0.0	0.0	-	-	-	0.0	0.0	1.1	0.0	0.0	-
85.0	40.0	7.4	6.6	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	45.0	-	-	-	-	-	2.9	-	-	-	-	-
85.0	60.0	0.0	0.0	-	-	-	0.0	11.4	0.0	0.0	0.0	-
87.0	50.0	-	-	0.0	1.6	0.0	-	-	-	-	-	-
87.0	55.0	-	-	-	3.1	0.0	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	2.7	0.0	4.8	0.0	0.0	0.0	-
90.0	30.0	0.0	2.4	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	5.2	0.0	1.3	5.4	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	-
93.0	30.0	0.0	0.0	5.9	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-
93.0	35.0	-	-	-	0.0	6.4	0.0	0.0	-	-	0.0	-
93.0	40.0	2.4	0.0	18.5	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-
93.0	45.0	-	5.2	0.0	3.2	14.1	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	0.0	-	-	0.0	1.4	5.2	0.0	-	-	-	-
93.0	55.0	-	-	-	0.0	0.0	12.1	-	-	-	-	-
93.0	60.0	11.0	0.0	0.0	0.0	0.0	16.5	-	-	-	-	-
97.0	30.0	0.0	0.0	-	1.7	0.0	2.0	3.4	0.0	-	0.0	-
97.0	35.0	-	-	-	14.7	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	2.8	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	9.5	1.5	0.0	0.0	0.0	0.0	2.4	-
97.0	45.0	-	-	-	10.7	0.0	0.0	-	-	-	-	-
100.0	29.0	-	1.5	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-
100.0	30.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	-
100.0	35.0	-	-	-	-	7.3	0.0	0.0	3.0	0.0	0.0	-
100.0	40.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-
100.0	45.0	-	-	-	0.0	3.5	0.0	-	-	-	-	-
100.0	55.0	-	2.0	-	0.0	3.3	0.0	-	-	-	-	-
100.0	60.0	0.0	-	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
103.0	30.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	7.2	-
103.0	35.0	-	-	0.0	0.0	0.0	-	3.0	0.0	4.4	0.0	-
103.0	50.0	-	-	5.9	0.0	0.0	-	-	-	-	-	-
107.0	32.0	-	-	0.0	0.0	0.0	-	5.9	0.0	3.9	0.0	-
107.0	40.0	-	-	3.2	0.0	0.0	-	0.0	0.0	-	-	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	4.1	8.1	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	-
110.0	40.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	50.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	0.0	0.0	3.6	0.0	-	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	-
113.0	40.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	26.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0 30.0	-	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-
117.0 40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	-
120.0 30.0	0.0	0.0	1.3	0.0	0.0	7.3	0.0	0.0	2.0	3.0	0.0	-
120.0 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
120.0 37.0	-	-	-	-	-	-	0.9	-	-	-	-	-
120.0 40.0	-	-	0.0	0.0	0.0	1.9	-	-	-	-	-	-
123.0 37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-
127.0 34.0	0.0	-	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	-
127.0 40.0	3.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	-
133.0 25.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	9.1	0.0	0.0	-
133.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	-
133.0 50.0	3.2	-	0.0	0.0	0.0	-	0.0	-	-	-	-	-
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	-
137.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4	0.0	-

Icosteus aenigmaticus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 55.0	-	-	-	2.7	0.0	0.0	-	-	-	-	-	-
80.0 60.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
87.0 65.0	-	-	-	-	6.1	-	-	-	-	-	-	-
87.0 70.0	-	-	-	0.0	8.7	0.0	-	-	-	-	-	-

Labridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 60.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-
80.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.6	0.0	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-
85.0 40.0	0.0	0.0	0.0	-	-	-	0.0	0.0	2.7	0.0	0.0	-
85.0 45.0	-	-	-	-	-	-	8.8	-	-	-	-	-
85.0 50.0	0.0	0.0	0.0	-	-	-	0.0	0.0	2.3	0.0	0.0	-
85.0 55.0	-	-	-	-	-	-	12.8	-	-	-	-	-
85.0 60.0	0.0	0.0	0.0	-	-	-	0.0	11.4	19.7	0.0	0.0	-
87.0 35.0	-	-	-	-	-	-	-	-	-	-	-	-
87.0 40.0	-	-	-	0.0	0.0	1.4	-	-	-	-	-	-
87.0 45.0	-	-	-	0.0	0.0	9.6	-	-	-	-	-	-
87.0 50.0	-	-	-	0.0	0.0	2.4	-	-	-	-	-	-
87.0 60.0	-	-	-	0.0	13.7	0.0	-	-	-	-	-	-
90.0 28.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	-
90.0 30.0	0.0	0.0	0.0	0.0	0.0	1.9	58.3	0.0	0.0	0.0	0.0	-
90.0 31.0	-	-	-	-	-	6.0	-	-	-	-	-	-
90.0 33.0	-	-	-	-	-	5.6	-	-	-	-	-	-

TABLE 4. (cont.)

Labridae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	37.0	0.0	0.0	0.0	0.0	32.5	13.4	0.0	0.0	-	2.7	-
90.0	41.0	-	-	-	-	9.2	-	-	9.2	-	-	-
90.0	45.0	0.0	0.0	0.0	0.0	5.2	0.0	11.6	0.0	3.4	0.0	-
90.0	53.0	0.0	0.0	0.0	2.9	0.0	0.0	5.8	0.0	0.0	0.0	-
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	4.6	0.0	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	2.8	5.1	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	6.4	5.6	13.9	4.7	0.0	0.0	0.0	-
93.0	35.0	-	-	-	0.0	6.4	6.3	-	-	-	-	-
93.0	45.0	-	-	-	0.0	0.0	9.2	-	-	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	1.4	15.5	0.0	2.5	0.0	0.0	-
93.0	55.0	-	-	-	11.6	3.5	42.3	-	-	-	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	22.0	-	-	-	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	-	0.0	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	12.2	3.2	0.0	-
97.0	35.0	-	-	-	7.4	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	5.7	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	6.3	6.1	39.6	103.0	7.6	22.3	0.0	-
97.0	45.0	0.0	0.0	0.0	16.1	5.9	0.0	-	-	-	-	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	32.7	0.0	0.0	0.0	0.0	-
97.0	55.0	-	-	-	0.0	6.1	5.4	-	-	-	-	-
97.0	65.0	-	-	-	0.0	12.6	-	-	-	-	-	-
100.0	80.0	-	-	0.0	0.0	0.0	2.3	-	-	-	-	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.2	0.0	0.0	-
100.0	40.0	0.0	0.0	0.0	2.5	0.0	0.0	4.6	0.0	0.0	0.0	-
100.0	45.0	-	-	-	0.0	3.5	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	0.0	2.3	3.2	0.0	0.0	0.0	0.0	0.0	-
100.0	55.0	-	-	-	0.0	3.3	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	-
103.0	30.0	-	-	0.0	0.0	0.0	-	0.0	8.2	0.0	0.0	-
103.0	35.0	-	-	0.0	0.0	0.0	-	8.9	0.0	0.0	0.0	-
103.0	40.0	-	-	0.0	0.0	0.0	-	5.5	0.0	2.3	0.0	-
103.0	50.0	-	-	5.9	0.0	5.6	-	-	-	-	-	-
103.0	55.0	-	-	-	-	7.5	-	-	-	-	-	-
103.0	60.0	-	-	0.0	0.0	5.6	-	-	-	-	-	-
105.0	35.0	0.0	0.0	-	-	-	5.4	-	-	-	-	-
105.0	55.0	-	-	-	-	-	2.4	-	-	-	-	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	11.2	0.0	0.0	-
107.0	45.0	-	-	-	2.2	0.0	-	-	-	-	-	-
107.0	50.0	-	-	3.6	0.0	0.0	-	-	-	-	-	-
110.0	35.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	1.7	0.0	-
110.0	40.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	-	-	0.0	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.4	0.0	-
113.0	55.0	-	-	0.0	0.0	0.0	2.5	-	-	-	-	-
113.0	60.0	0.0	0.0	1.4	0.0	0.0	0.0	-	-	-	-	-
117.0	26.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-

TABLE 4. (cont.)

Labridae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	-
117.0	40.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	8.5	0.0	-
117.0	55.0	-	0.0	0.0	0.0	3.8	0.0	0.0	-	-	-	-
118.0	35.0	-	-	-	-	-	-	3.0	-	-	-	-
118.5	25.0	-	-	-	-	-	-	4.4	-	-	-	-
119.0	42.0	-	-	-	-	-	-	2.0	-	-	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	4.7	0.0	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	2.3	-
121.0	30.0	-	-	-	-	-	-	1.0	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	1.3	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	34.4	0.0	0.0	-
127.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-
127.0	55.0	-	0.0	0.0	2.7	0.0	0.0	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	71.3	3.2	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	-
130.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.3	23.6	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	2.0	-
133.0	50.0	3.2	0.0	0.0	0.0	-	0.0	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6	8.5	8.5	0.0	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	6.7	-
150.0	30.0	-	-	-	-	-	-	-	-	-	-	-

Chromis punctipinnis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	40.0	-	-	0.0	0.0	2.4	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
90.0	31.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	0.0	5.3	8.0	8.2	0.0	-	0.0	-
90.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	0.0	-
90.0	53.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-
97.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
100.0	50.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	-
103.0	40.0	-	-	0.0	0.0	0.0	-	0.0	0.0	2.3	0.0	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	0.0	17.6	0.0	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	5.4	0.0	-
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	4.1	6.1	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	-
113.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	16.4	13.4	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.6	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-

TABLE 4. (cont.)

Chromis punctipinnis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-
127.0 50.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-
137.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-

Brama spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-

Carangidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
130.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	17.5	0.0	-
130.0 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.5	0.0	0.0	-
133.0 25.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.3	2.3	2.6	0.0	-
133.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	-
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.4	72.7	10.2	0.0	-
137.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-
137.0 35.0	-	-	-	0.0	0.0	0.0	2.2	-	-	-	-	-

Trachurus symmetricus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 90.0	-	-	-	0.0	0.0	7.9	0.0	-	-	-	-	-
70.0 100.0	-	-	-	-	0.0	48.4	-	-	-	-	-	-
73.0 55.0	-	-	-	-	0.0	20.4	10.0	-	-	-	-	-
73.0 60.0	-	-	-	0.0	0.0	-	156.9	0.0	0.0	0.0	-	-
77.0 50.0	-	-	-	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-
77.0 55.0	-	-	-	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-
77.0 65.0	-	-	-	-	0.0	-	145.2	0.0	0.0	0.0	0.0	-
80.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-
80.0 60.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	3.1	0.0	0.0	-
80.0 65.0	-	-	-	-	-	38.3	10.2	6.6	0.0	0.0	0.0	-
80.0 70.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.9	0.0	0.0	0.0	-
80.0 90.0	0.0	0.0	-	0.0	0.0	10.6	0.0	3.1	0.0	0.0	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	16.9	0.0	2.7	0.0	0.0	0.0	-
83.0 60.0	-	-	-	0.0	31.0	10.6	-	-	-	-	-	-
83.0 70.0	-	-	-	0.0	5.8	58.8	-	-	-	-	-	-
83.0 85.0	-	-	-	0.0	2.7	-	-	-	-	-	-	-
83.0 90.0	-	-	-	2.2	2.8	8.3	-	-	-	-	-	-
85.0 38.0	0.0	0.0	0.0	-	-	-	0.0	2.8	0.0	2.0	0.0	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	40.0	0.0	0.0	-	-	-	0.0	0.0	5.4	0.0	0.0	-
85.0	60.0	0.0	0.0	-	-	-	12.0	0.0	0.0	0.0	0.0	-
85.0	70.0	0.0	0.0	-	-	-	65.3	-	-	-	-	-
85.0	80.0	-	-	-	-	-	51.4	-	-	-	-	-
85.0	90.0	-	-	-	-	-	51.8	-	-	-	-	-
87.0	35.0	-	-	1.9	0.0	0.0	-	-	-	-	-	-
87.0	55.0	-	-	-	0.0	70.7	-	-	-	-	-	-
87.0	60.0	-	-	0.0	54.9	26.5	-	-	-	-	-	-
87.0	70.0	-	-	0.0	17.4	134.4	-	-	-	-	-	-
87.0	75.0	-	-	-	31.8	-	-	-	-	-	-	-
87.0	80.0	-	-	25.7	4.9	175.7	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	-
90.0	30.0	0.0	0.0	0.0	19.6	1.0	6.1	0.0	2.6	0.0	0.0	-
90.0	33.0	-	-	-	-	2.8	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	31.5	5.9	2.7	5.5	2.8	-	0.0	-
90.0	39.0	-	-	-	-	3.0	-	-	-	-	-	-
90.0	41.0	-	-	-	-	3.1	-	-	-	-	-	-
90.0	45.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	2.4	0.0	0.0	-
90.0	53.0	0.0	13.5	0.0	131.4	155.1	187.2	0.0	2.9	0.0	0.0	-
90.0	60.0	0.0	0.0	0.0	147.4	187.7	0.0	0.0	0.0	0.0	0.0	-
90.0	65.0	-	-	-	9.1	100.8	-	-	-	-	-	-
90.0	70.0	0.0	19.8	489.0	-	50.6	10.2	5.5	0.0	0.0	0.0	-
90.0	75.0	-	-	-	427.7	-	-	-	-	-	-	-
90.0	80.0	0.0	127.2	163.1	265.3	59.8	31.5	-	-	-	-	-
90.0	90.0	0.0	186.3	177.5	121.0	5.7	3.0	-	-	-	-	-
90.0	100.0	-	-	175.8	-	30.3	0.0	-	-	-	-	-
93.0	30.0	0.0	0.0	0.0	6.4	5.6	0.0	0.0	0.0	0.0	0.0	-
93.0	35.0	-	-	-	9.8	6.4	6.3	-	-	-	-	-
93.0	40.0	0.0	0.0	0.0	40.3	110.7	28.6	0.0	57.6	0.0	0.0	-
93.0	45.0	-	-	-	6.5	42.4	92.4	-	-	-	-	-
93.0	50.0	0.0	0.0	6.3	22.2	1.4	221.9	38.5	7.6	0.0	0.0	-
93.0	55.0	-	-	-	157.1	206.5	706.7	-	-	-	-	-
93.0	60.0	0.0	5.6	72.0	26.2	88.5	253.0	-	-	-	-	-
93.0	65.0	-	-	-	32.6	88.0	-	-	-	-	-	-
93.0	70.0	0.0	37.0	21.3	95.7	161.9	15.4	-	-	-	-	-
93.0	75.0	-	-	-	54.4	-	-	-	-	-	-	-
93.0	80.0	-	-	250.6	287.1	26.7	19.7	-	-	-	-	-
93.0	90.0	-	-	116.7	-	-	2.9	-	-	-	-	-
97.0	32.0	0.0	0.0	88.0	-	0.0	0.0	5.1	6.1	3.2	0.0	-
97.0	35.0	-	-	-	14.7	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	11.3	-	-	-	-	-	-
97.0	40.0	0.0	5.2	434.9	59.9	12.3	207.4	154.4	164.3	0.0	0.0	-
97.0	45.0	-	-	-	680.7	61.5	1012.3	-	-	-	-	-
97.0	50.0	0.0	8.0	5.9	5.7	119.6	1294.9	226.3	14.3	0.0	0.0	-
97.0	55.0	-	-	-	10.5	18.4	257.3	-	-	-	-	-
97.0	60.0	0.0	47.0	62.5	4.1	52.3	57.6	-	-	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 65.0	-	-	-	-	15.9	125.6	-	-	-	-	-	-
97.0 70.0	0.0	0.0	53.4	91.2	145.2	143.6	89.0	-	-	-	-	-
97.0 75.0	-	-	-	-	49.1	-	-	-	-	-	-	-
97.0 80.0	-	-	-	28.5	127.8	51.5	50.2	-	-	-	-	-
97.0 90.0	-	-	-	42.8	64.9	70.1	32.2	-	-	-	-	-
100.0 35.0	-	-	-	-	-	4.5	0.0	-	-	-	-	-
100.0 40.0	0.0	0.0	0.0	87.6	5.1	15.4	43.3	11.6	0.0	0.0	0.0	-
100.0 45.0	-	-	-	-	28.3	24.7	180.8	-	-	-	-	-
100.0 50.0	-	0.0	0.0	16.3	0.0	14.5	21.8	5.0	0.0	0.0	0.0	-
100.0 55.0	-	-	-	-	52.2	13.2	6.6	-	-	-	-	-
100.0 60.0	-	0.0	34.3	22.4	65.6	19.5	0.0	9.3	0.0	0.0	0.0	-
100.0 65.0	-	0.0	-	-	14.6	18.6	-	-	-	-	-	-
100.0 70.0	1.6	0.0	118.5	103.2	2.6	42.3	128.8	0.0	0.0	0.0	0.0	-
100.0 75.0	-	-	-	-	25.2	-	-	0.0	0.0	0.0	0.0	-
100.0 80.0	0.0	0.0	2.8	73.8	6.9	114.5	13.9	0.0	0.0	0.0	0.0	-
100.0 90.0	0.0	0.0	125.5	22.1	97.7	26.1	8.1	-	-	-	-	-
100.0 100.0	-	-	-	72.2	-	10.0	3.0	-	-	-	-	-
103.0 35.0	-	-	-	0.0	51.3	2.8	-	8.9	0.0	0.0	0.0	-
103.0 40.0	-	-	-	19.1	146.9	0.0	-	5.5	0.0	0.0	0.0	-
103.0 45.0	-	-	-	-	18.1	-	-	-	-	-	-	-
103.0 50.0	-	-	-	35.6	25.6	11.3	-	-	-	-	-	-
103.0 60.0	-	-	-	56.7	82.9	25.2	-	-	-	-	-	-
103.0 65.0	-	-	-	-	29.3	43.9	-	-	-	-	-	-
103.0 70.0	-	-	-	60.4	111.0	207.9	-	-	-	-	-	-
103.0 75.0	-	-	-	-	16.8	55.3	-	-	-	-	-	-
103.0 80.0	-	-	-	6.6	27.4	37.3	-	-	-	-	-	-
103.0 90.0	-	-	-	9.5	42.6	29.8	-	-	-	-	-	-
105.0 35.0	0.0	0.0	0.0	-	-	-	143.6	-	-	-	-	-
105.0 40.0	0.0	0.0	2.5	-	-	-	31.8	-	-	-	-	-
105.0 45.0	-	-	-	-	-	-	13.1	-	-	-	-	-
105.0 50.0	0.0	0.0	2.7	-	-	-	46.9	-	-	-	-	-
105.0 55.0	-	-	-	-	-	-	31.6	-	-	-	-	-
105.0 60.0	0.0	0.0	160.7	-	-	-	13.9	-	-	-	-	-
105.0 70.0	0.0	0.0	9.5	-	-	-	54.9	-	-	-	-	-
105.0 80.0	0.0	0.0	-	-	-	-	16.9	-	-	-	-	-
105.0 90.0	-	-	-	-	-	-	42.1	-	-	-	-	-
107.0 32.0	-	-	-	28.7	0.0	0.0	-	0.0	0.0	0.0	0.0	-
107.0 35.0	-	-	-	8.9	17.3	6.4	-	2.8	0.0	2.7	0.0	-
107.0 40.0	-	-	-	0.0	19.7	15.5	-	0.0	0.0	-	-	-
107.0 45.0	-	-	-	57.4	13.2	9.8	-	-	-	-	-	-
107.0 50.0	-	-	-	-	13.7	18.1	-	-	-	-	-	-
107.0 55.0	-	-	-	-	-	24.2	-	-	-	-	-	-
107.0 60.0	-	-	-	24.3	23.1	3.0	-	-	-	-	-	-
107.0 65.0	-	-	-	-	-	17.9	-	-	-	-	-	-
107.0 70.0	-	-	-	37.9	5.3	27.0	-	-	-	-	-	-
107.0 80.0	-	-	-	21.5	43.2	11.9	-	-	-	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	0.0	-	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	35.0	0.0	0.0	0.0	253.5	2.7	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	0.0	56.4	0.0	19.5	12.4	0.0	0.0	0.0	0.0	-
110.0	45.0	-	-	-	24.7	7.8	-	-	-	-	-	-
110.0	50.0	0.0	8.9	44.4	11.1	10.9	5.1	0.0	0.0	0.0	0.0	-
110.0	55.0	-	-	-	-	18.6	-	-	-	-	-	-
110.0	60.0	0.0	29.0	37.6	20.6	6.5	38.1	0.0	0.0	0.0	0.0	-
110.0	65.0	-	-	-	-	11.2	-	-	-	-	-	-
110.0	70.0	0.0	18.8	29.5	20.8	46.3	11.3	-	-	-	-	-
110.0	80.0	0.0	-	94.8	144.3	18.6	12.6	-	-	-	-	-
110.0	90.0	0.0	-	179.9	10.9	0.0	11.0	-	-	-	-	-
113.0	35.0	0.0	2.7	23.1	3.2	0.0	0.0	0.0	-	-	0.0	-
113.0	40.0	0.0	5.5	7.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	45.0	-	-	17.6	58.2	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	147.4	22.3	31.8	0.0	2.6	-	-	-	-	-
113.0	55.0	-	-	46.9	9.3	0.0	10.2	-	-	-	-	-
113.0	60.0	0.0	11.0	21.3	22.0	13.0	0.0	-	-	-	-	-
113.0	65.0	-	-	68.2	3.3	16.1	-	-	-	-	-	-
113.0	70.0	0.0	-	-	28.9	32.2	5.8	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	35.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	-	-	0.0	-
117.0	45.0	-	0.0	9.4	2.2	0.0	0.0	-	-	-	-	-
117.0	55.0	-	0.0	0.0	10.8	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	2.7	1.5	2.6	0.0	3.3	-	-	-	-	-
117.0	65.0	-	-	20.3	0.0	62.8	-	-	-	-	-	-
117.0	70.0	0.0	-	3.0	6.8	3.3	0.0	-	-	-	-	-
120.0	45.0	0.0	1.5	1.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	0.0	0.0	0.0	11.3	3.2	0.0	0.0	0.0	0.0	-
120.0	55.0	-	2.9	0.0	0.0	34.3	0.0	0.0	0.0	0.0	0.0	-
120.0	60.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	65.0	-	3.0	5.9	0.0	26.2	-	-	-	-	-	-
120.0	70.0	0.0	5.5	6.1	13.6	2.7	0.0	0.0	0.0	0.0	0.0	-
120.0	80.0	0.0	3.2	6.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	45.0	-	6.1	2.9	16.4	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	2.9	5.6	17.7	3.2	0.0	0.0	0.0	0.0	0.0	-
123.0	55.0	-	0.0	17.9	0.0	0.0	-	-	-	-	-	-
123.0	60.0	0.0	0.0	5.5	6.2	2.9	6.1	-	-	-	-	-
127.0	34.0	-	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	40.0	-	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	22.1	11.8	0.0	0.0	2.9	-	-	-	-	-
127.0	50.0	0.0	11.1	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	55.0	-	0.0	0.0	0.0	0.0	-	-	-	-	-	-
127.0	60.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	35.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	0.0	0.0	19.0	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	0.0	3.1	54.0	14.7	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	55.0	-	0.0	57.8	0.0	0.0	-	-	-	-	-	-
130.0	60.0	0.0	2.5	46.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-

Girella nigricans

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	30.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	-	0.0	-
90.0	39.0	-	-	-	-	3.0	-	-	-	-	-	-
100.0	45.0	-	-	-	0.0	3.5	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-

Medialuna californiensis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	33.0	-	-	-	-	2.8	-	-	-	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	-
97.0	45.0	-	-	-	0.0	0.0	23.7	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
100.0	55.0	-	-	-	0.0	0.0	6.6	-	-	-	-	-
105.0	45.0	-	-	-	-	-	3.3	-	-	-	-	-
105.0	55.0	-	-	-	-	-	26.7	-	-	-	-	-
107.0	40.0	-	-	0.0	0.0	0.0	-	3.9	0.0	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	-
110.0	70.0	0.0	0.0	0.0	0.0	3.6	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	-

Sciaenidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	38.0	0.0	33.4	25.6	-	-	0.0	0.0	0.0	2.0	0.0	-
85.0	40.0	0.0	2.5	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	50.0	0.0	0.0	0.0	-	-	0.0	0.0	2.3	0.0	0.0	-
90.0	28.0	0.0	0.0	1.5	0.0	0.0	0.0	7.2	0.0	0.0	40.3	-
90.0	30.0	0.0	0.0	2.4	0.0	0.0	24.6	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	-	0.0	-
93.0	27.0	0.0	0.0	1.9	0.0	0.0	2.8	0.0	0.8	0.0	3.0	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	-	0.0	-
97.0	40.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-
100.0	29.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	14.2	-

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	-
113.0	30.0	0.0	0.0	0.0	0.0	5.9	10.1	0.0	14.5	2.7	22.2	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	0.0	-
115.0	26.0	-	-	-	-	-	-	4.2	-	-	-	-
115.0	27.0	43.1	-	-	-	-	-	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	5.0	-	-	-	-
117.0	26.0	-	3.1	0.0	0.0	1.9	3.5	3.6	2.8	1.6	16.5	-
117.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.2	0.0	-
118.5	25.0	-	-	-	-	-	-	2.2	-	-	-	-
118.5	30.0	-	-	-	-	-	-	5.2	-	-	-	-
120.0	25.0	-	4.6	0.0	0.0	0.0	2.3	1.3	0.0	0.0	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	-
120.0	35.0	8.7	0.0	0.0	0.0	0.0	1.6	1.2	0.0	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	1.0	-	-	-	-
123.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.9	0.0	0.0	-
130.0	30.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	-
133.0	25.0	0.0	2.3	4.8	0.0	0.0	-	0.0	0.0	10.5	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	3.4	0.0	-

Serranidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	37.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	-	0.0	-
97.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	0.0	3.2	0.0	-
115.0	26.0	-	-	-	-	-	-	2.1	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	-
118.5	30.0	-	-	-	-	-	-	5.2	-	-	-	-
118.5	35.0	-	-	-	-	-	-	9.1	-	-	-	-
119.0	33.0	-	-	-	-	-	-	17.5	-	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	3.7	13.3	0.0	9.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.0	2.3	0.0	-
120.0	43.0	-	-	-	-	-	-	2.5	-	-	-	-
121.0	30.0	-	-	-	-	-	-	2.0	-	-	-	-
121.0	34.0	-	-	-	-	-	-	2.0	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.2	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.0	0.0	0.0	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	37.8	0.0	0.0	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	-
133.0	25.0	1.8	0.0	0.0	0.0	0.0	-	16.5	0.0	2.6	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	5.1	0.0	-

TABLE 4. (cont.)

Gempylidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-

Scombridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	-

Auxis spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	-

Scomber japonicus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	0.0	-
90.0 53.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-
90.0 100.0	-	-	-	2.9	-	0.0	0.0	-	-	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	-
93.0 55.0	-	-	-	-	0.0	0.0	12.1	-	-	-	-	-
93.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	-	-	-	-	-
93.0 70.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-	-	-	-
93.0 80.0	-	-	-	0.0	0.0	3.8	0.0	-	-	-	-	-
93.0 90.0	-	-	-	0.0	-	-	2.9	-	-	-	-	-
97.0 35.0	-	-	-	-	3.7	-	-	-	-	-	-	-
97.0 45.0	-	-	-	-	5.4	0.0	17.8	-	-	-	-	-
97.0 70.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-	-	-	-
97.0 90.0	-	-	-	0.0	0.0	10.0	2.9	-	-	-	-	-
100.0 65.0	-	-	-	-	0.0	3.7	-	-	-	-	-	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-
103.0 70.0	-	-	-	0.0	6.3	0.0	-	-	-	-	-	-
103.0 80.0	-	-	-	0.0	0.0	22.4	-	-	-	-	-	-
105.0 80.0	0.0	0.0	-	-	-	-	2.4	-	-	-	-	-
110.0 33.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	-
110.0 60.0	-	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	-
110.0 80.0	0.0	0.0	-	0.0	6.1	0.0	0.0	-	-	-	-	-
113.0 40.0	-	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0 26.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	-
117.0 35.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.5	-
117.0 50.0	-	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
117.0 55.0	-	-	0.0	0.0	3.6	53.6	0.0	-	-	-	-	-
118.5 30.0	-	-	-	-	-	-	-	-	-	-	-	-
120.0 25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	4.7	0.0	-

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	0.0	0.0	0.0	0.0	0.0	1.8	13.3	0.0	0.0	1.8	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	21.1	0.0	-
120.0	45.0	0.0	0.0	5.6	29.3	0.0	0.0	0.0	0.0	2.3	0.0	-
120.0	50.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	-
120.0	55.0	-	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
121.0	30.0	-	-	-	-	-	-	3.0	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	3.3	0.0	-
123.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	12.2	6.6	0.0	-
123.0	45.0	-	0.0	4.4	0.0	0.0	0.0	-	-	-	-	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	17.8	37.8	0.0	0.0	-
127.0	40.0	-	0.0	34.4	19.4	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	27.6	53.1	3.4	0.0	0.0	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	6.3	0.0	-
130.0	35.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	45.0	-	0.0	0.0	21.7	0.0	0.0	-	-	-	-	-
130.0	50.0	0.0	0.0	0.0	25.6	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	60.0	0.0	2.9	66.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	0.0	7.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	35.0	-	0.0	5.9	0.0	0.0	0.0	-	-	-	-	-
137.0	23.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-
137.0	30.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
140.0	35.0	-	5.4	-	-	-	-	-	-	-	-	-
147.0	20.0	-	38.4	-	-	-	-	-	-	-	-	-

Trichiuridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	90.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-
123.0	37.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	13.8	1.5	0.0	-
127.0	45.0	-	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
127.0	50.0	-	0.0	0.0	0.0	0.0	0.0	3.0	3.3	2.5	0.0	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.4	0.0	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.2	0.0	-
130.0	45.0	-	0.0	0.0	0.0	0.0	2.5	-	-	-	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-
133.0	25.0	5.4	0.0	0.0	0.0	0.0	-	0.0	4.5	0.0	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
133.0	40.0	20.3	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Trichiuridae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 50.0	3.2	-	0.0	0.0	0.0	-	0.0	-	-	-	-	-
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	5.1	1.7	0.0	-
137.0 40.0	3.3	2.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-

Sphyraena argentea

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 37.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	-	0.0	-
97.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-
113.0 40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0	-
118.5 30.0	-	-	-	-	-	-	-	5.2	-	-	-	-
118.5 35.0	-	-	-	-	-	-	-	6.0	-	-	-	-
119.0 33.0	-	-	-	-	-	-	-	26.3	-	-	-	-
119.0 42.0	-	-	-	-	-	-	-	2.0	-	-	-	-
120.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	-
120.0 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-
120.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	-
121.0 34.0	-	-	-	-	-	-	-	6.0	-	-	-	-
133.0 25.0	1.8	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.6	0.0	-
137.0 23.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Icichthys lockingtoni

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0 60.0	-	-	-	-	-	-	5.4	-	-	-	-	-
40.0 70.0	-	-	-	-	-	-	11.9	-	-	-	-	-
40.0 90.0	-	-	-	-	-	-	6.2	-	-	-	-	-
53.0 55.0	-	-	-	-	-	3.8	0.0	-	-	-	-	-
60.0 55.0	-	-	-	0.0	-	0.0	-	3.0	0.0	4.3	0.0	-
60.0 60.0	-	-	-	0.0	-	0.0	7.3	-	0.0	4.9	3.0	-
60.0 70.0	-	-	-	0.0	-	0.0	0.0	-	2.0	5.0	2.9	-
60.0 80.0	-	-	-	0.0	2.8	-	-	-	0.0	5.5	0.0	-
60.0 100.0	-	-	-	-	2.8	0.0	-	-	0.0	0.0	0.0	-
60.0 110.0	-	-	-	-	-	-	-	-	0.0	0.0	2.9	-
63.0 65.0	-	-	-	-	0.0	2.8	0.0	-	-	-	-	-
67.0 55.0	-	-	-	0.0	6.3	0.0	0.0	0.0	0.0	0.0	2.6	-
67.0 65.0	-	-	-	-	-	0.0	0.0	0.0	0.0	12.4	5.3	-
70.0 60.0	-	-	-	17.2	0.0	6.4	0.0	0.0	0.0	0.0	0.0	-
70.0 70.0	-	-	-	4.4	0.0	6.3	7.8	0.0	7.2	0.0	0.0	-
70.0 80.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-
73.0 50.0	-	-	-	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-
73.0 55.0	-	-	-	-	0.0	2.9	0.0	-	-	-	-	-
73.0 60.0	-	-	-	0.0	0.0	-	17.7	0.0	0.0	12.5	-	-
77.0 50.0	-	-	-	0.0	0.0	0.0	10.8	0.0	0.0	-	-	-

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	55.0	-	-	0.0	3.0	0.0	0.0	0.0	0.0	6.5	2.9	-
77.0	60.0	-	-	-	2.9	0.0	0.0	-	-	-	-	-
77.0	65.0	-	-	-	0.0	-	66.0	0.0	0.0	0.0	5.4	-
80.0	51.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	55.0	0.0	0.0	0.0	0.0	0.0	3.7	5.8	0.0	0.0	0.0	-
80.0	60.0	8.3	0.0	0.0	0.0	5.8	0.0	0.0	0.0	2.6	0.0	-
80.0	65.0	-	-	-	-	19.1	0.0	-	-	-	-	-
80.0	70.0	10.2	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-
80.0	85.0	-	-	2.8	2.9	-	0.0	0.0	-	0.0	0.0	-
83.0	55.0	27.0	-	0.0	0.0	30.1	0.0	-	-	-	-	-
83.0	60.0	-	-	0.0	3.2	3.5	-	-	-	-	-	-
83.0	65.0	-	-	0.0	11.2	-	-	-	-	-	-	-
83.0	70.0	-	-	4.3	0.0	29.4	-	-	-	-	-	-
83.0	80.0	-	-	0.0	0.0	8.5	-	-	-	-	-	-
83.0	90.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
85.0	55.0	-	-	0.0	-	-	6.4	-	-	-	-	-
85.0	60.0	0.0	0.0	-	-	-	0.0	11.4	0.0	0.0	0.0	-
85.0	70.0	0.0	0.0	-	-	-	8.2	-	-	-	-	-
85.0	80.0	-	-	-	-	-	2.6	-	-	-	-	-
85.0	90.0	-	-	-	-	-	6.5	-	-	-	-	-
87.0	55.0	-	-	-	0.0	38.1	-	-	-	-	-	-
87.0	60.0	-	-	5.8	0.0	13.2	-	-	-	-	-	-
87.0	65.0	-	-	-	30.7	-	-	-	-	-	-	-
87.0	70.0	-	-	0.0	17.4	11.2	-	-	-	-	-	-
87.0	75.0	-	-	-	5.8	-	-	-	-	-	-	-
87.0	80.0	-	-	0.0	2.5	2.9	-	-	-	-	-	-
90.0	33.0	-	-	-	-	2.8	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	-	0.0	-
90.0	41.0	-	-	-	-	3.1	-	-	-	-	-	-
90.0	45.0	2.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	3.4	7.8	8.8	14.8	6.0	0.0	0.0	0.0	0.0	-
90.0	60.0	2.5	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-
90.0	70.0	14.1	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	90.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	27.0	0.0	0.0	4.8	0.0	10.5	0.0	0.0	0.0	0.0	0.0	-
93.0	40.0	2.4	0.0	0.0	0.0	7.1	0.0	2.6	0.0	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	0.0	0.0	0.0	3.2	0.0	10.3	0.0	0.0	0.0	0.0	-
93.0	55.0	-	-	-	0.0	14.0	6.0	-	-	-	-	-
93.0	60.0	8.2	0.0	0.0	0.0	11.0	0.0	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	-	0.0	-	5.1	0.0	0.0	0.0	-
97.0	35.0	-	-	0.0	3.7	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	2.8	-	-	-	-	-	-
97.0	40.0	0.0	0.0	5.8	0.0	1.5	3.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 45.0	-	-	-	-	16.1	2.9	0.0	-	-	-	-	-
97.0 50.0	0.0	0.0	2.7	0.0	0.0	1.7	9.8	0.0	0.0	0.0	0.0	-
97.0 55.0	-	-	-	-	0.0	6.1	2.7	-	-	-	-	-
97.0 60.0	0.0	0.0	5.9	0.0	0.0	3.3	5.2	-	-	-	-	-
97.0 65.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
97.0 80.0	-	-	-	-	0.0	0.0	2.3	-	-	-	-	-
100.0 29.0	0.0	-	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-
100.0 40.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
100.0 60.0	-	2.4	2.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
100.0 90.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0 50.0	-	-	-	8.9	0.0	0.0	-	-	-	-	-	-
105.0 35.0	2.1	0.0	0.0	-	-	-	0.0	-	-	-	-	-
105.0 50.0	0.0	0.0	0.0	-	-	-	3.3	-	-	-	-	-
107.0 35.0	-	-	-	0.0	0.0	0.0	-	5.7	0.0	0.0	0.0	-
107.0 50.0	-	-	-	3.6	3.4	0.0	-	-	-	-	-	-
113.0 35.0	-	6.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
113.0 60.0	-	0.0	0.0	1.4	0.0	0.0	0.0	-	-	-	-	-

Peprilus simillimus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 37.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	-	0.0	-
97.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-
110.0 33.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	-
113.0 30.0	-	2.9	0.0	0.0	0.0	2.0	0.0	0.0	9.6	0.0	4.4	-
115.0 26.0	-	-	-	-	-	-	-	12.5	-	-	-	-
117.0 26.0	-	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.6	0.0	-
117.0 30.0	-	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-
117.0 35.0	-	0.0	12.2	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-
117.0 40.0	-	0.0	4.2	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	-
118.5 30.0	-	-	-	-	-	-	-	10.5	-	-	-	-
118.5 35.0	-	-	-	-	-	-	-	6.0	-	-	-	-
119.0 33.0	-	-	-	-	-	-	-	35.0	-	-	-	-
119.0 42.0	-	-	-	-	-	-	-	2.0	-	-	-	-
120.0 25.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	-
120.0 30.0	0.0	5.4	2.2	2.6	17.6	36.4	62.6	2.2	0.0	0.0	0.0	-
120.0 35.0	0.0	0.0	16.0	2.7	3.0	8.4	0.0	6.6	0.0	0.0	4.1	-
120.0 37.0	-	-	-	-	-	-	0.9	-	-	-	-	-
120.0 40.0	-	-	0.0	0.0	1.3	9.4	-	-	-	-	-	-
120.0 45.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-
121.0 34.0	-	-	-	-	-	-	-	2.0	-	-	-	-
123.0 40.0	0.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	-
127.0 55.0	-	-	3.0	0.0	0.0	0.0	-	-	-	-	-	-
130.0 30.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Peprilus similimus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 25.0	0.0	3.0	3.9	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
137.0 23.0	0.0	2.6	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-
137.0 30.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	-

Tetragonurus cuvieri

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 110.0	-	-	-	-	-	-	-	-	7.5	0.0	0.0	-
80.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
80.0 90.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	-
80.0 100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
90.0 80.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
93.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-
97.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-
100.0 60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-
100.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-
110.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	-
110.0 70.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	-
110.0 80.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0 60.0	-	2.8	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0 45.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-

Chiasmodontidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 70.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 70.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
105.0 70.0	0.0	0.0	1.9	-	-	-	0.0	-	-	-	-	-
107.0 35.0	-	-	-	0.0	0.0	0.0	-	2.8	0.0	0.0	0.0	-
110.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-
110.0 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-
110.0 60.0	-	0.0	0.0	0.0	3.0	3.2	0.0	0.0	0.0	3.0	0.0	-
110.0 80.0	3.3	2.7	-	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0 50.0	-	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0 70.0	-	0.0	-	0.0	0.0	2.9	0.0	-	-	-	-	-
120.0 70.0	0.0	0.0	2.8	0.0	0.0	0.0	9.4	0.0	0.0	0.0	3.1	-
120.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
123.0 40.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0 50.0	0.0	-	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
127.0 55.0	-	-	0.0	5.8	0.0	0.0	-	-	-	-	-	-
127.0 60.0	0.0	0.0	0.0	0.0	3.2	0.0	3.1	-	-	-	-	-

TABLE 4. (cont.)

Chiasmodontidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	40.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	-
130.0	50.0	0.0	0.0	0.0	2.8	8.8	0.0	0.0	0.0	0.0	0.0	-
130.0	52.0	-	2.6	-	-	-	-	-	-	-	-	-
130.0	55.0	-	0.0	5.8	0.0	0.0	-	-	-	-	-	-
130.0	60.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-
133.0	45.0	-	0.0	2.8	0.0	0.0	4.9	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	-	12.1	-	-	-	-	-
137.0	40.0	0.0	1.6	0.0	0.0	0.0	0.0	-	-	-	-	-

Pleuronectiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	-	-	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-
87.0	40.0	-	-	0.0	0.0	2.4	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	-	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	30.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	33.0	4.1	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
119.0	33.0	-	-	-	-	-	-	17.5	-	-	-	-
119.0	42.0	-	-	-	-	-	-	2.0	-	-	-	-
120.0	35.0	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
133.0	25.0	1.8	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	-

Bothidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	-

Citharichthys spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	55.0	-	-	-	-	-	13.5	-	-	-	-	-
60.0	55.0	-	-	0.0	-	0.0	-	0.0	0.0	0.0	4.1	-
60.0	60.0	-	-	0.0	-	0.0	0.0	-	0.0	9.9	9.0	-
60.0	70.0	-	-	0.0	-	0.0	0.0	-	0.0	54.6	2.9	-
60.0	80.0	-	-	0.0	2.8	-	-	-	0.0	2.8	5.5	-
60.0	90.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	14.9	-
60.0	100.0	-	-	-	0.0	0.0	-	-	0.0	0.0	5.0	-
60.0	110.0	-	-	-	0.0	0.0	-	-	0.0	0.0	11.4	-
63.0	52.0	-	-	0.0	-	0.0	0.0	0.0	0.0	2.4	0.0	-
63.0	55.0	-	-	0.0	0.0	2.7	0.0	0.0	0.0	44.5	37.5	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	50.0	-	-	0.0	0.0	0.0	-	2.9	0.0	-	0.0	-
67.0	55.0	-	-	0.0	0.0	0.0	0.0	24.7	22.3	146.6	0.0	-
67.0	65.0	-	-	-	-	0.0	0.0	6.6	0.0	61.8	24.0	-
70.0	51.0	-	-	-	-	-	0.0	11.0	0.0	-	0.0	-
70.0	60.0	-	-	0.0	0.0	0.0	0.0	5.9	0.0	52.6	29.4	-
70.0	70.0	-	-	4.4	0.0	0.0	0.0	0.0	0.0	14.6	0.0	-
70.0	80.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-
73.0	50.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	8.3	-	-
73.0	60.0	-	-	0.0	0.0	-	0.0	0.0	0.0	112.3	-	-
77.0	50.0	-	-	0.0	0.0	0.0	0.0	2.6	0.0	-	-	-
77.0	55.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	6.5	2.9	-
77.0	65.0	-	-	-	3.2	-	0.0	0.0	0.0	6.4	2.7	-
80.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.0	0.0	1.7	-
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	16.4	-
80.0	60.0	0.0	4.2	0.0	0.0	0.0	0.0	32.9	9.2	43.9	13.3	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	85.0	0.0	-	0.0	2.9	-	-	0.0	-	0.0	0.0	-
80.0	90.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0	55.0	-	-	0.0	0.0	5.0	-	-	10.1	15.6	23.0	-
85.0	38.0	1.5	3.2	-	-	-	2.4	11.3	5.4	6.8	25.5	-
85.0	40.0	0.0	8.8	-	-	-	8.8	7.9	-	-	-	-
85.0	45.0	0.0	0.0	-	-	-	0.0	0.0	30.3	91.3	31.1	-
85.0	50.0	0.0	0.0	-	-	-	0.0	11.4	8.5	0.0	0.0	-
85.0	60.0	2.3	9.6	-	-	-	2.7	-	-	-	-	-
87.0	40.0	2.8	-	0.0	3.1	0.0	-	-	-	-	-	-
90.0	28.0	2.8	0.0	0.0	0.0	0.0	5.7	4.8	0.0	0.0	4.7	-
90.0	30.0	5.2	0.0	0.0	2.2	1.6	3.1	0.0	0.0	0.0	32.0	-
90.0	31.0	-	0.0	0.0	-	3.0	-	-	-	-	-	-
90.0	37.0	2.9	5.4	2.6	0.0	11.3	0.0	2.7	8.3	-	49.3	-
90.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	8.9	-
90.0	53.0	0.0	0.0	3.9	0.0	0.0	0.0	17.3	0.0	3.0	11.2	-
90.0	60.0	2.5	0.0	0.0	0.0	0.0	0.0	2.8	0.0	4.6	15.7	-
90.0	70.0	2.8	0.0	0.0	-	0.0	0.0	0.0	0.0	8.2	8.2	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	27.0	0.0	1.9	2.4	0.0	0.0	0.0	0.0	0.0	5.6	64.9	-
93.0	30.0	0.0	0.0	3.0	0.0	9.9	11.1	0.0	0.0	0.0	47.6	-
93.0	35.0	-	2.4	-	0.0	6.4	0.0	-	3.0	2.6	76.2	-
93.0	40.0	9.6	-	0.0	0.0	0.0	0.0	2.6	-	-	-	-
93.0	45.0	-	-	0.0	55.1	0.0	4.6	-	2.5	0.0	0.0	-
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
93.0	55.0	-	0.0	-	2.9	0.0	6.0	0.0	21.8	-	0.0	-
97.0	30.0	1.1	0.0	-	1.7	0.0	0.0	0.0	142.8	82.7	19.4	-
97.0	32.0	0.0	0.0	0.0	-	6.1	0.0	2.5	-	-	-	-
97.0	35.0	-	-	-	3.7	-	-	-	-	-	-	-
97.0	36.0	-	-	-	-	2.8	-	-	-	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	40.0	0.0	0.0	0.0	0.0	3.0	9.1	125.8	202.5	220.1	40.6	-
97.0	50.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-
97.0	60.0	0.0	0.0	0.0	0.0	1.4	0.0	-	-	-	-	-
100.0	29.0	-	0.0	0.0	0.0	0.0	0.0	0.0	23.7	7.8	1.3	-
100.0	30.0	2.3	2.8	0.0	0.0	0.0	0.0	2.7	42.4	14.0	2.2	-
100.0	35.0	-	-	-	-	2.9	0.0	-	-	-	-	-
100.0	40.0	10.8	0.0	0.0	0.0	5.4	3.3	0.0	3.0	4.3	14.5	-
100.0	45.0	-	-	-	9.4	0.0	5.5	-	-	-	-	-
100.0	50.0	0.0	0.0	9.8	2.3	3.2	0.0	0.0	0.0	75.6	8.3	-
100.0	55.0	-	-	-	3.5	0.0	0.0	-	-	-	-	-
100.0	60.0	2.4	0.0	0.0	3.0	3.0	0.0	0.0	0.0	11.8	12.8	-
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-
103.0	30.0	-	-	1.9	0.0	2.4	-	12.3	57.7	15.0	2.4	-
103.0	35.0	-	-	3.3	2.8	0.0	-	8.9	17.2	39.6	0.0	-
103.0	40.0	-	-	5.0	5.3	0.0	-	0.0	14.3	22.9	0.0	-
103.0	50.0	-	-	0.0	0.0	0.0	-	-	-	-	-	-
103.0	60.0	-	-	0.0	0.0	5.6	-	-	-	-	-	-
105.0	32.0	2.8	0.0	-	-	-	0.0	-	-	-	-	-
105.0	40.0	0.0	7.4	-	-	-	0.0	-	-	-	-	-
105.0	50.0	0.0	10.6	-	-	-	0.0	-	-	-	-	-
107.0	32.0	-	-	0.0	8.5	0.0	-	35.5	72.5	2.0	31.6	-
107.0	35.0	-	-	0.0	4.3	0.0	-	0.0	7.2	0.0	159.1	-
107.0	40.0	-	-	0.0	2.5	0.0	-	0.0	0.0	-	-	-
110.0	33.0	4.1	-	0.0	0.0	0.0	0.0	6.8	3.1	4.1	58.6	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	22.4	-
110.0	40.0	0.0	0.0	3.3	19.6	0.0	0.0	0.0	0.0	2.2	3.1	-
110.0	45.0	-	-	-	4.9	2.6	-	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	21.7	2.5	0.0	0.0	2.8	0.0	-
110.0	60.0	-	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	-
113.0	30.0	23.2	2.7	0.0	0.0	7.9	73.9	44.0	139.8	61.6	28.9	-
113.0	35.0	0.0	31.9	0.0	0.0	0.0	8.4	2.6	-	-	45.6	-
113.0	40.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	29.4	635.0	11.2	-
113.0	50.0	0.0	0.0	0.0	0.0	7.9	5.2	-	-	-	-	-
113.0	55.0	-	-	10.1	0.0	13.0	2.5	-	-	-	-	-
113.0	60.0	0.0	11.0	0.0	0.0	0.0	18.6	-	-	-	-	-
115.0	26.0	-	-	-	-	-	-	588.6	-	-	-	-
115.0	27.0	-	-	-	-	-	-	54.6	-	-	-	-
115.0	30.0	-	-	-	-	-	-	18.4	-	-	-	-
115.0	35.0	4.7	13.5	8.3	4.5	130.9	49.3	467.8	210.0	88.6	65.8	-
117.0	26.0	21.8	15.5	8.3	21.4	14.4	59.2	167.8	642.6	384.9	57.7	-
117.0	30.0	48.5	114.1	3.0	0.0	26.0	155.1	58.5	-	-	63.3	-
117.0	35.0	9.6	24.9	0.0	0.0	26.6	40.7	66.4	16.5	14.8	161.9	-
117.0	40.0	-	0.0	0.0	0.0	44.5	7.4	-	-	-	-	-
117.0	45.0	44.3	0.0	0.0	0.0	16.5	8.9	-	-	-	-	-
117.0	50.0	-	1.5	0.0	0.0	16.5	-	-	-	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	55.0	-	3.2	0.0	0.0	23.0	0.0	-	-	-	-	-
117.0	60.0	2.8	2.7	4.6	0.0	0.0	10.0	-	-	-	-	-
117.0	65.0	-	-	6.8	0.0	0.0	-	-	-	-	-	-
117.0	70.0	5.7	-	4.5	0.0	0.0	32.4	-	-	-	-	-
118.0	33.0	-	-	-	-	-	-	16.4	-	-	-	-
118.0	35.0	-	-	-	-	-	-	172.8	-	-	-	-
118.5	25.0	-	-	-	-	-	-	384.1	-	-	-	-
118.5	30.0	-	-	-	-	-	-	230.6	-	-	-	-
118.5	35.0	-	-	-	-	-	-	117.8	-	-	-	-
119.0	33.0	-	-	-	-	-	-	788.4	-	-	-	-
119.0	42.0	-	-	-	-	-	-	158.8	-	-	-	-
120.0	25.0	1.5	2.5	9.4	28.9	580.6	269.0	490.5	1.3	16.5	0.0	-
120.0	30.0	10.7	270.3	105.2	66.6	2242.2	1898.9	257.5	2.0	0.0	5.4	-
120.0	35.0	50.4	240.7	13.3	27.2	1839.9	147.9	22.9	6.6	18.7	14.3	-
120.0	37.0	-	-	-	-	-	44.9	-	-	-	-	-
120.0	40.0	-	4.6	2.9	10.5	476.3	-	-	-	-	-	-
120.0	43.0	-	-	2.9	0.0	45.8	-	5.1	-	-	-	-
120.0	45.0	20.5	34.8	2.9	0.0	0.0	62.4	29.7	0.0	0.0	0.0	-
120.0	50.0	0.0	0.0	24.4	3.1	0.0	3.2	14.8	25.3	10.2	7.5	-
120.0	55.0	-	5.8	0.0	0.0	18.7	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	31.2	0.0	0.0	-
120.0	65.0	-	0.0	0.0	0.0	3.3	-	-	-	-	-	-
120.0	70.0	0.0	4.1	0.0	0.0	0.0	0.0	3.5	3.7	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	175.8	-	-	-	-
121.0	34.0	-	-	-	-	-	-	4.0	-	-	-	-
121.0	41.0	-	-	-	-	-	-	12.9	-	-	-	-
123.0	37.0	19.4	7.8	5.2	0.0	48.6	30.2	0.0	382.2	0.0	6.3	-
123.0	40.0	40.9	37.7	0.0	21.9	230.3	0.0	0.0	39.8	2.2	7.6	-
123.0	45.0	-	9.1	0.0	0.0	3.0	4.9	9.8	-	-	-	-
123.0	50.0	0.0	3.7	8.5	3.0	0.0	15.4	12.0	0.0	4.8	0.0	-
123.0	55.0	-	0.0	6.0	0.0	0.0	-	-	-	-	-	-
123.0	60.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	34.0	-	6.2	7.3	0.0	7.8	0.0	4.5	436.9	4.6	1.3	-
127.0	40.0	-	21.1	28.2	0.0	9.6	9.8	11.4	32.1	0.0	-	-
127.0	45.0	-	44.2	33.2	60.7	0.0	23.0	-	-	-	-	-
127.0	50.0	-	6.1	0.0	3.2	0.0	3.3	3.0	0.0	0.0	0.0	-
127.0	55.0	-	3.0	5.8	0.0	0.0	-	-	-	-	-	-
130.0	30.0	1.6	0.8	2.7	0.0	1.8	0.0	0.0	42.3	7.5	0.0	-
130.0	35.0	0.0	11.8	2.7	0.0	0.0	0.0	0.0	2.8	4.7	0.0	-
130.0	40.0	0.0	145.0	0.0	0.0	42.1	0.0	0.0	0.0	6.4	0.0	-
130.0	45.0	-	5.5	12.8	0.0	0.0	0.0	-	-	-	-	-
130.0	50.0	2.9	26.7	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	52.0	-	10.4	-	-	-	-	-	-	-	-	-
130.0	55.0	-	23.5	0.0	0.0	0.0	-	-	-	-	-	-
130.0	60.0	2.9	5.8	8.7	0.0	0.0	0.0	0.0	0.0	0.0	6.1	-
133.0	25.0	9.1	4.3	19.2	0.0	0.0	-	0.0	0.0	7.9	0.0	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 30.0	0.0	0.0	10.6	17.0	0.0	0.0	11.7	12.6	25.5	3.7	0.0	-
133.0 35.0	-	-	0.0	14.7	2.6	0.0	4.6	-	-	-	-	-
133.0 40.0	0.0	5.7	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
133.0 45.0	-	-	0.0	8.4	0.0	0.0	0.0	-	-	-	-	-
133.0 50.0	3.2	-	0.0	0.0	0.0	-	0.0	-	-	-	-	-
137.0 23.0	0.0	2.6	2.8	0.0	0.0	0.0	0.0	7.6	13.5	0.0	0.0	-
137.0 30.0	2.3	11.0	4.0	0.0	0.0	3.7	4.1	0.0	0.0	0.0	10.1	-
137.0 35.0	-	-	-	18.4	0.0	0.0	0.0	-	-	-	-	-
137.0 40.0	0.0	0.0	57.0	41.1	0.0	2.6	0.0	-	-	-	-	-
137.0 45.0	-	-	0.0	17.3	0.0	2.8	0.0	-	-	-	-	-
137.0 50.0	2.9	0.0	-	3.0	0.0	0.0	2.5	0.0	-	-	-	-
147.0 30.0	-	2.3	-	-	-	-	-	-	-	-	-	-

Hippoglossina stomata

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0 33.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-
115.0 26.0	-	-	-	-	-	-	-	2.1	-	-	-	-
117.0 26.0	-	0.0	0.0	0.0	0.0	0.0	3.5	9.5	0.0	0.0	0.0	-
117.0 30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-
117.0 35.0	-	0.0	0.8	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-
118.5 35.0	-	-	-	-	-	-	-	3.0	-	-	-	-
119.0 42.0	-	-	-	-	-	-	-	2.0	-	-	-	-
120.0 25.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	-
120.0 35.0	0.0	0.0	0.0	0.0	0.0	8.4	3.2	0.0	0.0	0.0	0.0	-
123.0 37.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	0.0	-
123.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	0.0	-
127.0 34.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	30.6	0.0	0.0	-
130.0 30.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	4.6	0.0	-
130.0 35.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.6	-
133.0 25.0	0.0	0.0	0.0	2.4	0.0	0.0	-	0.0	0.0	0.0	0.0	-
133.0 30.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-
137.0 23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.0	-
										3.4	0.0	-

Paralichthys californicus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 37.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
100.0 29.0	2.5	-	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0 30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-
103.0 30.0	-	-	-	3.7	0.0	0.0	-	0.0	0.0	0.0	0.0	-
107.0 32.0	-	-	-	0.0	0.0	0.0	-	0.0	5.6	0.0	0.0	-
110.0 33.0	0.0	0.0	-	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	-
113.0 30.0	-	0.0	0.0	0.0	0.0	27.7	3.4	0.0	4.8	0.0	0.0	-

TABLE 4. (cont.)

Paralichthys californicus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	35.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
115.0	26.0	-	-	-	-	-	-	74.9	-	-	-	-
117.0	26.0	1.5	2.1	0.0	0.0	1.9	7.0	7.7	0.0	0.0	0.0	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-	0.0	-
118.5	25.0	-	-	-	-	-	-	2.2	-	-	-	-
118.5	35.0	-	-	-	-	-	-	9.1	-	-	-	-
120.0	25.0	1.5	0.0	0.0	3.9	4.1	4.6	5.1	1.3	0.0	0.0	-
120.0	30.0	0.0	1.3	0.0	0.0	43.7	0.0	4.4	11.8	0.0	0.0	-
120.0	35.0	2.1	0.0	0.0	0.0	0.0	0.0	3.6	2.2	0.0	0.0	-
120.0	43.0	-	-	-	-	-	-	2.5	-	-	-	-
121.0	30.0	-	-	-	-	-	-	4.0	-	-	-	-
121.0	34.0	-	-	-	-	-	-	4.0	-	-	-	-
121.3	26.0	-	-	-	-	-	-	4.1	-	-	-	-
123.0	37.0	0.0	0.8	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	-
133.0	25.0	0.0	0.0	4.8	6.9	0.0	-	0.0	0.0	0.0	0.0	-
137.0	23.0	5.1	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	-
137.0	35.0	-	-	0.0	0.0	0.0	2.2	-	-	-	-	-

Syacium ovale

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.6	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	-

Xystreureys liolepis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	2.8	4.8	0.0	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-
119.0	33.0	-	-	-	-	-	-	26.3	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	29.1	0.0	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	-
121.0	30.0	-	-	-	-	-	-	4.0	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	-

TABLE 4. (cont.)

Eopsetta jordani

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	50.0	-	-	-	-	8.4	0.0	-	-	-	-	-

Glyptocephalus zachirus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	50.0	-	-	-	-	16.7	0.0	-	-	-	-	-
57.0	51.0	-	-	-	-	0.0	1.5	-	-	-	-	-
57.0	55.0	-	-	-	-	2.2	0.0	-	-	-	-	-
57.0	65.0	-	-	-	-	8.0	0.0	-	-	-	-	-
60.0	55.0	-	-	0.0	-	3.9	-	0.0	0.0	0.0	0.0	-
60.0	60.0	-	-	0.0	-	0.0	7.3	-	0.0	0.0	0.0	-
63.0	55.0	-	-	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-
67.0	55.0	-	-	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	55.0	-	-	0.0	5.6	0.0	-	-	-	-	-	-
70.0	60.0	-	-	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	-
70.0	65.0	-	-	-	5.7	0.0	0.0	-	-	-	-	-
73.0	50.0	-	-	0.0	0.0	5.4	0.0	0.0	0.0	0.0	-	-
77.0	50.0	-	-	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	-
77.0	55.0	-	-	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
77.0	60.0	-	-	-	0.0	24.4	0.0	-	-	-	-	-
80.0	51.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	-
80.0	85.0	-	-	-	2.9	-	-	-	-	-	-	-
83.0	55.0	-	-	0.0	0.0	5.0	-	-	-	-	-	-
83.0	70.0	-	-	4.3	0.0	0.0	-	-	-	-	-	-
83.0	80.0	-	-	0.0	0.0	2.1	-	-	-	-	-	-
87.0	35.0	-	-	0.0	3.0	0.0	-	-	-	-	-	-
87.0	65.0	-	-	-	6.1	-	-	-	-	-	-	-
87.0	70.0	-	-	0.0	0.0	11.2	-	-	-	-	-	-
87.0	80.0	-	-	0.0	0.0	2.9	-	-	-	-	-	-
90.0	45.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-

Lyopsetta exilis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	50.0	-	-	-	-	16.7	0.0	-	-	-	-	-
57.0	55.0	-	-	-	-	0.0	4.4	-	-	-	-	-
57.0	65.0	-	-	-	-	8.0	6.0	-	-	-	-	-
63.0	52.0	-	-	0.0	2.1	0.0	4.1	0.0	0.0	0.0	0.0	-
63.0	55.0	-	-	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	-
63.0	65.0	-	-	-	8.9	19.8	0.0	-	-	-	-	-
67.0	55.0	-	-	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
67.0	60.0	-	-	-	-	0.0	3.2	-	-	-	-	-
70.0	55.0	-	-	16.4	22.6	8.2	-	-	-	-	-	-
70.0	60.0	-	-	5.7	48.2	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Lyopsetta exilis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	65.0	-	-	-	11.4	0.0	0.0	-	-	-	-	-
73.0	50.0	-	-	1.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
73.0	55.0	-	-	-	0.0	8.8	0.0	-	-	-	-	-
77.0	50.0	-	-	1.5	5.4	2.1	2.7	0.0	0.0	-	-	-
77.0	55.0	-	-	4.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
77.0	60.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-
77.0	65.0	-	-	-	0.0	-	6.6	0.0	0.0	0.0	0.0	-
80.0	55.0	0.0	0.0	0.0	2.8	5.4	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	0.0	0.0	0.0	2.4	2.9	0.0	0.0	0.0	0.0	0.0	-
80.0	70.0	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	-
83.0	55.0	-	-	0.0	3.2	0.0	-	-	-	-	-	-
83.0	60.0	-	-	0.0	25.8	0.0	-	-	-	-	-	-
83.0	70.0	-	-	4.3	0.0	2.9	-	-	-	-	-	-
85.0	38.0	0.0	35.2	-	-	-	0.0	0.0	0.0	0.0	0.0	-
87.0	35.0	-	-	3.8	0.0	2.4	-	-	-	-	-	-
87.0	40.0	-	-	2.3	0.0	0.0	-	-	-	-	-	-
87.0	50.0	-	-	0.0	1.6	0.0	-	-	-	-	-	-
90.0	28.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	30.0	0.0	0.0	2.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	45.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-
93.0	27.0	0.0	0.0	7.2	0.0	7.9	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	32.0	0.0	0.0	5.7	-	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	0.0	3.0	0.0	3.5	0.0	0.0	2.3	0.0	3.9	0.0	-
100.0	30.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	40.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	50.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-
103.0	35.0	-	-	0.0	2.8	0.0	-	0.0	0.0	0.0	0.0	-
107.0	32.0	-	-	3.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-
107.0	50.0	-	-	9.6	0.0	0.0	-	0.0	0.0	0.0	0.0	-
110.0	33.0	0.0	-	0.0	3.4	0.0	-	2.3	0.0	0.0	0.0	-
110.0	35.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
113.0	30.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	9.6	0.0	0.0	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	-
115.0	26.0	-	-	0.0	-	-	-	2.1	-	-	-	-
115.0	30.0	-	-	-	-	-	-	5.0	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	11.2	0.0	4.1	0.0	0.0	0.0	-
117.0	30.0	0.0	0.0	2.8	0.0	0.0	0.0	6.1	0.0	0.0	0.0	-
120.0	25.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Microstomus pacificus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	80.0	-	-	-	-	-	6.4	-	-	-	-	-
57.0	65.0	-	-	-	-	8.0	0.0	-	-	-	-	-
60.0	100.0	-	-	-	0.0	6.4	-	-	0.0	0.0	0.0	-
67.0	65.0	-	-	-	-	0.0	0.0	0.0	34.8	0.0	0.0	-
70.0	60.0	-	-	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	65.0	-	-	-	5.7	0.0	0.0	0.0	0.0	0.0	0.0	-
70.0	80.0	-	-	0.0	0.0	6.4	3.1	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-
77.0	55.0	-	-	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	55.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	60.0	0.0	8.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	80.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	85.0	-	-	-	5.7	-	-	-	-	-	-	-
80.0	90.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0	75.0	-	-	-	2.9	0.0	-	-	-	-	-	-
87.0	65.0	-	-	-	6.1	0.0	-	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	55.0	-	-	-	0.0	3.5	0.0	-	-	-	-	-
97.0	35.0	-	-	-	3.7	-	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0	50.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
97.0	60.0	0.0	0.0	0.0	0.0	1.4	0.0	-	-	-	-	-
97.0	80.0	-	-	0.0	0.0	0.0	2.3	-	-	-	-	-
100.0	55.0	-	-	-	0.0	3.3	0.0	-	-	-	-	-
103.0	50.0	-	-	3.0	0.0	0.0	-	-	-	-	-	-
103.0	60.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	-
113.0	55.0	-	-	0.0	3.1	0.0	0.0	-	-	-	-	-

Parophrys vetulus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	-
87.0	35.0	-	-	0.0	0.0	1.0	-	-	-	-	-	-
87.0	40.0	-	-	2.3	0.0	0.0	-	-	-	-	-	-
90.0	30.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	37.0	0.0	0.0	0.0	0.0	1.4	2.7	0.0	0.0	0.0	0.0	-
93.0	27.0	0.0	7.4	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-
97.0	30.0	0.0	0.0	-	1.7	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	-	10.4	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	30.0	2.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
103.0	30.0	-	-	3.7	0.0	0.0	-	0.0	0.0	0.0	0.0	-
107.0	40.0	-	-	3.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-
110.0	33.0	1.4	-	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	-	0.0	2.9	1.6	19.8	6.7	9.4	0.0	0.0	0.0	-
115.0	26.0	-	-	-	-	-	-	2.1	-	-	-	-
117.0	26.0	-	0.0	0.0	0.0	1.9	10.6	0.0	0.0	0.0	0.0	-
118.0	35.0	-	-	-	-	-	-	3.0	-	-	-	-
118.5	25.0	-	-	-	-	-	-	2.2	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	-

Pleuronichthys spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	65.0	-	-	-	0.0	5.6	0.0	-	-	-	-	-
80.0	51.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-
87.0	50.0	-	-	0.0	1.6	0.0	-	-	-	-	-	-
87.0	70.0	-	-	0.0	0.0	11.2	-	-	-	-	-	-
90.0	41.0	-	-	-	-	6.1	-	-	-	-	-	-
97.0	40.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	-
117.0	26.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	35.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
118.5	30.0	-	-	-	-	-	-	5.2	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	-
120.0	55.0	-	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
121.0	30.0	-	-	-	-	-	-	3.0	-	-	-	-
130.0	30.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Pleuronichthys coenosus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	-	-	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-
85.0	55.0	-	-	-	-	-	6.4	-	-	-	-	-
93.0	30.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	35.0	-	-	-	3.3	0.0	0.0	-	-	-	-	-
93.0	40.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-

Pleuronichthys decurrens

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	-
90.0	53.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	40.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	50.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

TABLE 4. (cont.)

Pleuronichthys ritteri

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	-
119.0	42.0	-	-	-	-	-	-	3.9	-	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	-
120.0	43.0	-	-	-	-	-	-	2.5	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-

Pleuronichthys verticalis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	38.0	0.0	3.2	-	-	-	0.0	0.0	0.0	0.0	0.0	-
93.0	27.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
97.0	40.0	0.0	0.0	-	0.0	0.0	0.0	3.4	0.0	-	0.0	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-
100.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	5.6	0.0	0.0	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	3.1	-
110.0	33.0	1.2	-	0.0	0.0	7.7	0.0	0.0	0.0	0.0	2.0	-
113.0	30.0	0.0	0.0	0.0	0.0	15.8	20.2	9.4	9.6	6.7	2.2	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	35.4	0.0	3.4	0.0	-
115.0	26.0	-	-	-	-	-	-	3.6	5.6	3.2	0.0	-
117.0	26.0	0.0	0.0	0.0	0.0	11.2	10.6	3.6	12.6	4.3	7.5	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	7.4	3.6	-	-	-	-
118.5	25.0	-	-	-	-	-	-	4.4	-	-	-	-
118.5	30.0	-	-	-	-	-	-	10.5	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	4.1	9.1	1.3	0.0	0.0	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	58.2	12.9	0.0	0.0	0.0	0.0	-
120.0	35.0	0.0	0.0	0.0	0.0	8.4	8.0	0.0	0.0	0.0	2.0	-
120.0	40.0	-	0.0	1.5	0.0	0.0	-	-	-	-	-	-
120.0	43.0	-	-	-	-	-	-	5.1	-	-	-	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	-

Symphurus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
85.0	40.0	0.0	0.0	-	-	-	0.0	0.0	2.7	0.0	0.0	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.0	0.0	0.0	-
97.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-
110.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-

TABLE 4. (cont.)

Symphurus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	6.5	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	-
118.5	30.0	-	-	-	-	-	-	41.9	-	-	-	-
118.5	35.0	-	-	-	-	-	-	45.3	-	-	-	-
119.0	33.0	-	-	-	-	-	-	96.4	-	-	-	-
119.0	42.0	-	-	-	-	-	-	2.0	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	17.7	12.0	5.4	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	2.2	14.0	4.1	-
120.0	43.0	-	-	-	-	-	-	2.5	-	-	-	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-
121.0	30.0	-	-	-	-	-	-	18.1	-	-	-	-
121.0	34.0	-	-	-	-	-	-	14.1	-	-	-	-
121.3	26.0	-	-	-	-	-	-	4.1	-	-	-	-
121.5	28.0	-	-	-	-	-	-	4.6	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	82.6	0.0	0.0	-
127.0	50.0	-	-	-	-	-	-	0.0	0.0	2.5	0.0	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9	25.0	0.0	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	-
133.0	25.0	1.8	0.0	0.0	0.0	0.0	-	112.2	0.0	0.0	0.0	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.5	7.4	0.0	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6	0.0	1.7	0.0	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	6.7	-

Disintegrated fish larva

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	50.0	-	-	-	-	8.4	0.0	-	-	-	-	-
60.0	60.0	-	-	0.0	-	0.0	0.0	-	0.0	0.0	3.0	-
60.0	80.0	-	-	0.0	2.8	-	-	-	0.0	0.0	0.0	-
60.0	90.0	-	-	0.0	0.0	0.0	0.0	-	0.0	2.4	0.0	-
63.0	55.0	-	-	0.0	0.0	0.0	0.0	0.0	1.5	0.0	10.7	-
63.0	65.0	-	-	-	0.0	0.0	5.3	-	-	-	-	-
70.0	51.0	-	-	-	-	-	6.0	0.0	0.0	-	0.0	-
70.0	70.0	-	-	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	-
70.0	90.0	-	-	2.1	0.0	0.0	0.0	-	-	-	-	-
73.0	60.0	-	-	0.0	0.0	-	5.1	0.0	0.0	0.0	-	-
77.0	50.0	-	-	0.0	5.4	0.0	0.0	0.0	0.0	-	-	-
80.0	51.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.7	-
80.0	90.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
83.0	43.0	-	-	0.0	0.0	4.8	0.0	-	-	-	-	-
83.0	60.0	-	-	0.0	5.2	0.0	-	-	-	-	-	-
85.0	38.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	-
85.0	40.0	0.0	0.0	-	-	-	0.0	0.0	0.0	3.4	0.0	-
85.0	45.0	-	-	-	-	-	2.9	0.0	2.3	0.0	0.0	-
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	2.8	0.0	0.0	-
85.0	60.0	5.3	3.2	-	-	-	0.0	0.0	-	0.0	0.0	-
87.0	55.0	-	0.0	-	0.0	10.9	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	9.5	-
90.0	30.0	0.0	0.0	2.5	0.0	0.0	6.1	0.0	2.6	0.0	0.0	-
90.0	31.0	-	-	-	-	6.0	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	-	0.0	-
90.0	41.0	-	-	-	-	3.1	-	-	-	-	-	-
90.0	60.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	-
90.0	70.0	0.0	0.0	18.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	75.0	-	-	-	3.0	-	-	-	-	-	-	-
90.0	80.0	0.0	0.0	0.0	2.4	0.0	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	10.0	0.0	0.0	0.0	-	-	-	-	-
90.0	100.0	-	-	11.7	-	0.0	0.0	-	-	-	-	-
93.0	27.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	4.5	0.0	-
93.0	35.0	-	-	-	6.5	0.0	0.0	-	-	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	-
93.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-
93.0	60.0	2.7	0.0	0.0	6.5	3.0	0.0	-	-	-	-	-
93.0	70.0	0.0	0.0	3.0	9.0	3.5	0.0	-	-	-	-	-
93.0	75.0	-	-	-	9.6	-	0.0	-	-	-	-	-
93.0	80.0	-	-	7.5	0.0	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	6.1	-	-	5.8	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	4.1	0.0	2.4	-
97.0	40.0	0.0	0.0	0.0	22.1	0.0	0.0	11.4	0.0	0.0	2.4	-
97.0	45.0	-	-	-	0.0	8.8	0.0	-	-	-	-	-
97.0	50.0	0.0	0.0	8.9	0.0	4.4	3.3	0.0	0.0	0.0	0.0	-
97.0	60.0	0.0	0.0	6.6	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	8.6	3.8	0.0	0.0	-	-	-	-	-
97.0	75.0	-	-	-	11.6	-	0.0	-	-	-	-	-
100.0	29.0	-	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-
100.0	40.0	0.0	0.0	0.0	2.5	0.0	10.0	0.0	0.0	0.0	0.0	-
100.0	45.0	-	-	-	0.0	0.0	11.0	0.0	-	-	-	-
100.0	50.0	0.0	0.0	0.0	0.0	1.4	2.7	0.0	0.0	3.2	0.0	-
100.0	55.0	-	-	-	0.0	0.0	6.6	-	0.0	-	-	-
100.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	-
100.0	75.0	-	-	-	1.9	-	-	-	-	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	80.0	0.0	0.0	0.0	2.3	3.5	0.0	0.0	0.0	0.0	0.0	-
100.0	90.0	0.0	0.0	0.0	3.0	0.0	2.7	-	-	-	-	-
100.0	100.0	-	-	0.0	-	0.0	3.0	-	-	-	-	-
103.0	30.0	-	-	5.6	0.0	0.0	-	0.0	0.0	0.0	0.0	-
103.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	4.4	0.0	-
103.0	40.0	-	-	0.0	2.7	0.0	-	0.0	0.0	0.0	0.0	-
103.0	60.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
103.0	70.0	-	-	9.5	0.0	0.0	-	-	-	-	-	-
103.0	90.0	-	-	0.0	2.8	0.0	-	-	-	-	-	-
105.0	40.0	-	0.0	-	-	-	0.0	-	-	-	-	-
107.0	32.0	-	-	0.0	4.3	3.5	-	0.0	5.6	0.0	0.0	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	3.1	-
107.0	50.0	-	-	3.6	0.0	3.0	-	-	-	-	-	-
107.0	80.0	-	-	0.0	0.0	5.9	-	-	-	-	-	-
110.0	33.0	0.0	-	11.9	2.0	0.0	0.0	0.0	0.0	2.1	22.2	-
110.0	35.0	0.0	0.0	6.2	3.3	0.0	0.0	0.0	0.0	6.8	0.0	-
110.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	2.8	0.0	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	-
110.0	70.0	0.0	0.0	0.0	0.0	3.6	0.0	-	-	-	-	-
110.0	90.0	0.0	-	10.4	0.0	0.0	0.0	-	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	11.1	-
113.0	35.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	-
113.0	40.0	0.0	0.0	36.5	0.0	0.0	0.0	3.7	0.0	3.4	0.0	-
113.0	45.0	-	-	2.9	0.0	7.1	0.0	-	-	-	-	-
113.0	55.0	-	-	0.0	0.0	6.5	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-	-	-	-
113.0	65.0	-	-	1.4	0.0	0.0	-	-	-	-	-	-
115.0	26.0	-	-	-	-	0.0	-	2.1	-	-	-	-
117.0	26.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	-
117.0	35.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-
117.0	40.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.3	0.0	5.1	-
117.0	50.0	0.0	1.5	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	2.7	0.0	3.1	0.0	-	-	-	-	-
117.0	70.0	0.0	-	0.0	0.0	0.0	3.2	-	-	-	-	-
118.5	25.0	-	-	-	-	-	-	2.2	-	-	-	-
118.5	30.0	-	-	-	-	-	-	5.2	-	-	-	-
118.5	35.0	-	-	-	-	-	-	18.1	-	-	-	-
119.0	33.0	-	-	-	-	-	-	122.6	-	-	-	-
119.0	42.0	-	-	-	-	-	-	13.7	-	-	-	-
120.0	25.0	3.1	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-
120.0	30.0	0.0	2.6	0.0	0.0	0.0	0.0	6.7	7.9	0.0	0.0	-
120.0	35.0	1.7	0.0	0.0	0.0	8.4	0.0	14.5	0.0	7.0	0.0	-
120.0	45.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	3.2	0.0	0.0	-
120.0	55.0	-	0.0	0.0	0.0	34.3	0.0	-	-	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	60.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	65.0	-	0.0	0.0	0.0	3.3	-	-	-	-	-	-
120.0	70.0	0.0	2.8	18.1	0.0	0.0	0.0	0.0	3.7	0.0	0.0	-
120.0	80.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	45.8	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.2	0.0	-
123.0	50.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
123.0	55.0	-	8.3	0.0	0.0	0.0	-	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.6	0.0	0.0	-
127.0	34.0	4.6	22.6	53.5	0.0	0.0	0.0	2.8	2.9	0.0	-	-
127.0	40.0	3.0	79.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-
127.0	45.0	-	44.2	0.0	6.7	0.0	2.9	-	-	4.9	0.0	-
127.0	50.0	-	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-
127.0	60.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	-
130.0	30.0	1.7	0.8	0.0	0.0	0.0	0.0	0.0	7.5	0.0	1.6	-
130.0	35.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0	40.0	5.9	0.0	0.0	5.4	0.0	0.0	5.7	0.0	0.0	1.6	-
130.0	45.0	-	0.0	35.3	2.7	0.0	17.3	-	-	-	-	-
130.0	50.0	0.0	27.5	168.8	0.0	0.0	5.5	0.0	0.0	0.0	2.5	-
130.0	55.0	-	0.0	11.6	0.0	8.7	-	0.0	0.0	0.0	0.0	-
130.0	60.0	0.0	1.5	0.0	0.0	5.0	5.6	0.0	0.0	0.0	0.0	-
130.0	80.0	6.4	0.0	144.0	0.0	0.0	-	0.0	0.0	49.8	0.0	-
133.0	25.0	1.8	0.0	68.2	0.0	0.0	2.9	0.0	12.8	9.2	0.0	-
133.0	30.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-
133.0	35.0	-	0.0	6.0	0.0	0.0	2.1	-	-	-	-	-
133.0	40.0	0.0	0.0	8.4	0.0	3.1	0.0	-	-	-	-	-
133.0	45.0	-	0.0	2.9	-	-	-	-	-	-	-	-
133.0	60.0	0.0	0.0	0.0	0.0	0.0	4.1	14.8	3.1	6.2	6.7	-
137.0	30.0	0.0	0.0	7.9	2.0	0.0	4.5	-	-	-	-	-
137.0	35.0	-	0.0	20.6	0.0	0.0	0.0	-	-	-	-	-
137.0	40.0	0.0	0.0	2.9	2.3	0.0	2.0	0.0	-	-	-	-
137.0	45.0	-	0.0	3.0	0.0	3.0	0.0	0.0	-	-	-	-
140.0	35.0	-	-	-	-	-	-	-	-	-	-	-
147.0	25.0	-	-	-	-	-	-	-	-	-	-	-
150.0	25.0	-	-	-	-	-	-	-	-	-	-	-
150.0	40.0	-	-	-	-	-	-	-	-	-	-	-

Unidentified fish larva

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	-	-	0.0	2.1	0.0	0.0	0.0	0.0	2.4	0.0	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	-	-	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	-
67.0	65.0	-	-	-	-	0.0	0.0	3.3	0.0	0.0	0.0	-
73.0	50.0	-	-	3.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-
80.0	90.0	0.0	-	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-
80.0	100.0	0.0	-	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-
83.0	55.0	-	-	2.5	0.0	0.0	-	-	-	-	-	-
85.0	38.0	0.0	0.0	-	-	-	0.0	0.0	0.0	2.0	0.0	-
85.0	40.0	0.0	0.0	-	-	-	0.0	0.0	5.4	0.0	0.0	-
85.0	50.0	0.0	0.0	-	-	-	0.0	0.0	2.3	0.0	0.0	-
85.0	60.0	0.0	0.0	-	-	-	0.0	0.0	8.5	0.0	0.0	-
87.0	35.0	-	-	9.5	0.0	6.8	-	-	-	-	-	-
87.0	50.0	-	-	0.0	0.0	1.6	-	-	-	-	-	-
87.0	80.0	-	-	0.0	2.5	0.0	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	2.3	11.9	2.4	-
90.0	30.0	0.0	0.0	0.0	0.0	1.0	12.3	8.5	10.2	0.0	0.0	-
90.0	37.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	-	0.0	-
90.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-
90.0	60.0	0.0	0.0	0.0	0.0	2.9	8.1	0.0	0.0	0.0	0.0	-
90.0	70.0	0.0	2.8	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-
90.0	80.0	0.0	0.0	0.0	2.4	0.0	0.0	-	-	-	-	-
90.0	90.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	18.6	2.8	0.0	-
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	0.0	0.0	0.0	2.8	-	-	-	-	-
97.0	30.0	0.0	0.0	-	0.0	0.0	0.0	0.0	3.0	-	0.0	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	4.1	0.0	0.0	-
97.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	3.3	2.3	8.6	0.0	0.0	-
100.0	29.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	-
100.0	30.0	-	-	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	-
100.0	50.0	-	-	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-
100.0	80.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	-
103.0	30.0	-	-	0.0	0.0	0.0	-	0.0	12.4	3.7	4.8	-
103.0	35.0	-	-	3.3	0.0	1.2	-	3.0	0.0	0.0	0.0	-
103.0	40.0	-	-	0.0	0.0	0.0	-	5.5	0.0	0.0	0.0	-
103.0	60.0	-	-	3.2	0.0	0.0	-	-	-	-	-	-
107.0	32.0	-	-	0.0	0.0	0.0	-	0.0	16.7	39.0	1.6	-
107.0	35.0	-	-	0.0	0.0	0.0	-	0.0	0.0	5.4	0.0	-
110.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.2	0.0	-
110.0	50.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	2.8	0.0	2.6	-
110.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.9	-
110.0	70.0	0.0	5.4	0.0	0.0	0.0	0.0	-	-	-	-	-
110.0	80.0	3.3	-	0.0	0.0	0.0	2.5	-	-	-	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	0.0	1.6	0.0	0.0	9.4	0.0	5.4	2.2	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-	-	0.0	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.4	0.0	-
113.0	50.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	-	1.5	0.0	0.0	0.0	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	5.0	-	-	-	-
117.0	26.0	1.5	4.2	5.6	1.5	0.0	0.0	0.0	8.4	1.6	6.6	-
117.0	30.0	0.0	0.0	0.0	3.6	0.0	0.0	2.4	5.1	4.3	0.0	-
117.0	35.0	0.0	14.1	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-
117.0	40.0	16.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-
117.0	55.0	-	0.0	0.0	0.0	7.7	0.0	-	-	-	-	-
118.0	33.0	-	-	-	-	-	-	3.3	-	-	-	-
118.5	25.0	-	-	-	-	-	-	8.9	-	-	-	-
118.5	30.0	-	-	-	-	-	-	10.5	-	-	-	-
118.5	35.0	-	-	-	-	-	-	21.1	-	-	-	-
119.0	42.0	-	-	-	-	-	-	5.9	-	-	-	-
120.0	25.0	1.5	2.5	0.0	0.0	0.0	0.0	2.5	0.0	9.4	0.0	-
120.0	30.0	0.0	4.8	0.0	0.0	0.0	0.0	4.4	2.0	6.0	0.0	-
120.0	35.0	0.0	0.7	0.0	0.0	67.5	4.8	21.7	4.4	9.4	0.0	-
120.0	37.0	-	-	-	-	-	7.9	-	-	-	-	-
120.0	40.0	-	2.3	0.0	1.3	15.1	-	-	-	-	-	-
120.0	43.0	-	-	-	-	-	-	17.7	-	-	-	-
120.0	45.0	0.0	1.4	1.5	0.0	6.1	0.0	3.7	3.1	0.0	0.0	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-
120.0	55.0	-	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
120.0	60.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-
120.0	80.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
120.0	90.0	0.0	1.4	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	-
121.0	30.0	-	-	-	-	-	-	10.0	-	-	-	-
121.0	34.0	-	-	-	-	-	-	8.0	-	-	-	-
121.3	26.0	-	-	-	-	-	-	4.1	-	-	-	-
121.5	28.0	-	-	-	-	-	-	27.5	-	-	-	-
123.0	37.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-
123.0	45.0	-	3.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	0.0	3.0	0.0	3.1	0.0	0.0	0.0	0.0	-
123.0	55.0	-	2.8	0.0	2.6	0.0	-	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
127.0	34.0	-	0.0	0.0	0.0	0.0	0.0	2.2	55.0	0.0	0.0	-
127.0	40.0	3.0	0.0	12.5	3.2	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	3.4	0.0	10.0	-	-	-	-	-
127.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-
127.0	60.0	0.0	1.4	2.8	0.0	0.0	0.0	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	46.1	2.5	563.8	0.0	-
130.0	35.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.8	4.7	0.0	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 40.0	5.9	0.0	4.4	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
130.0 45.0	-	-	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
130.0 50.0	3.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-
130.0 52.0	-	-	2.6	-	-	-	-	-	-	-	-	-
130.0 55.0	-	-	0.0	2.9	0.0	0.0	-	-	-	-	-	-
130.0 60.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-
130.0 70.0	2.9	-	-	-	-	-	-	-	-	-	-	-
133.0 25.0	21.6	1.5	1.2	2.4	0.0	0.0	-	0.0	2.3	196.5	0.0	-
133.0 30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	20.2	4.0	-
133.0 40.0	0.0	0.0	1.3	3.0	0.0	3.0	2.1	-	-	-	-	-
133.0 50.0	0.0	-	1.4	0.0	0.0	-	0.0	-	-	-	-	-
137.0 23.0	12.6	20.6	0.0	0.0	0.0	3.2	0.0	243.2	197.7	3.4	2.1	-
137.0 30.0	2.3	0.0	0.0	10.9	0.0	7.4	4.1	0.0	3.1	3.1	0.0	-
137.0 35.0	-	-	-	7.9	0.0	0.0	0.0	-	-	-	-	-
137.0 40.0	3.3	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0 45.0	-	-	0.0	5.8	0.0	0.0	0.0	0.0	-	-	-	-
137.0 50.0	0.0	0.0	-	6.0	0.0	0.0	0.0	0.0	-	-	-	-
140.0 30.0	-	2.5	-	-	-	-	-	-	-	-	-	-
147.0 20.0	-	2.7	-	-	-	-	-	-	-	-	-	-
147.0 30.0	-	6.9	-	-	-	-	-	-	-	-	-	-
150.0 30.0	-	2.5	-	-	-	-	-	-	-	-	-	-

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as Table 4.

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
<i>Albula vulpes</i>	3	-	-	-	-	-	1	-	-	-
<i>Anguilliformes</i>	35	26	15	30	4	11	33	36	33	16
<i>Etrumeus acuminatus</i>	25	18	28	28	5	8	27	45	31	29
<i>Opisthonema</i> spp.	1	4	-	1	-	4	3	4	1	-
<i>Sardinops sagax</i>	167	269	221	375	255	167	174	193	172	142
<i>Engraulidae</i>	-	-	-	-	1	-	-	2	2	-
<i>Engraulis mordax</i>	394	524	686	760	569	537	581	785	888	979
<i>Alepocephalidae</i>	2	-	-	-	1	-	-	-	-	-
<i>Argentina sialis</i>	55	68	89	110	81	77	56	31	30	53
<i>Microstoma microstoma</i>	21	28	18	39	22	17	16	34	25	23
<i>Nannostoma candida</i>	29	17	18	27	8	13	13	17	13	20
<i>Nansenia crassa</i>	50	63	65	47	61	32	74	49	27	38
<i>Bathylagus</i> spp.	-	-	-	1	3	1	4	13	7	3
<i>Bathylagus milleri</i>	1	-	-	1	1	2	-	1	1	1
<i>Bathylagus ochotensis</i>	153	222	208	195	162	171	111	237	106	190
<i>Bathylagus pacificus</i>	12	15	4	11	2	-	2	24	13	2
<i>Bathylagus wesethi</i>	259	370	258	365	286	157	298	377	275	184
<i>Leuroglossus schmidt</i>	-	-	-	-	-	3	-	-	-	-
<i>Leuroglossus stilbius</i>	402	502	612	517	508	465	343	350	324	505
<i>Osmeridae</i>	-	-	-	-	-	2	-	-	-	2
<i>Stomiiformes</i>	-	1	16	6	3	3	-	9	13	17
<i>Cyclothone</i> spp.	253	283	161	184	184	74	240	317	514	271
<i>Diplophos taenia</i>	8	1	-	4	1	3	3	28	36	18
<i>Ichthyococcus</i> spp.	16	23	12	26	30	-	18	37	43	8
<i>Vinciguerrria lucetia</i>	532	474	329	425	338	225	574	882	1209	635
<i>Sternoptychidae</i>	38	67	68	49	41	29	63	86	94	66
<i>Chauliodus macouni</i>	55	69	47	54	49	54	48	75	72	69
<i>Idiacanthus antrostomus</i>	48	31	14	19	10	6	19	33	38	36
<i>Aristostomias scintillans</i>	16	8	10	2	4	2	10	11	11	5
<i>Bathophilus</i> spp.	4	-	2	1	5	3	4	4	7	10
<i>Tactostoma macropus</i>	20	15	-	11	-	-	9	2	2	7
<i>Stomias atriventer</i>	96	120	86	124	87	20	67	182	181	142
<i>Myctophiformes</i>	-	-	-	-	-	-	-	-	-	2
<i>Anotopterus pharao</i>	1	-	-	-	-	-	1	-	-	3
<i>Evermannellidae</i>	-	-	-	-	1	-	-	-	6	-
<i>Paralepididae</i>	169	179	95	123	80	59	92	145	165	108
<i>Aulopus</i> spp.	1	-	-	-	-	-	1	-	-	-
<i>Scopelosaurus</i> spp.	-	-	-	-	1	1	-	3	16	15
<i>Scopelarchidae</i>	59	54	17	28	34	16	43	50	93	63
<i>Myctophidae</i>	99	186	59	53	60	55	175	174	245	317
<i>Ceratoscopus townsendi</i>	140	78	33	41	58	36	165	159	373	156
<i>Diaphus</i> spp.	116	156	63	111	81	101	66	90	103	76
<i>Lampadena urophasos</i>	39	22	-	10	10	14	63	44	120	46
<i>Lampanyctus</i> spp.	576	555	393	154	58	45	125	121	260	209
<i>Lampanyctus regalis</i>	-	-	-	19	19	14	26	28	46	12
<i>Lampanyctus ritteri</i>	-	-	-	308	296	214	306	416	429	311

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
<i>Notolichnus valdiviae</i>	5	4	4	2	1	2	-	1	3	12
<i>Notoscopelus resplendens</i>	16	4	10	8	23	1	31	24	76	64
<i>Stenobrachius leucopsarus</i>	369	405	365	452	251	395	267	361	327	386
<i>Triphoturus mexicanus</i>	589	715	573	565	475	322	641	768	1069	808
<i>Centrobranchus</i> spp.	-	-	-	-	-	-	-	-	-	1
<i>Diogenichthys</i> spp.	10	3	2	-	6	3	30	35	79	97
<i>Diogenichthys atlanticus</i>	109	112	68	87	90	85	109	126	116	121
<i>Diogenichthys lateratus</i>	230	233	232	346	265	113	412	416	442	210
<i>Electrona rissoi</i>	15	4	4	-	1	-	-	-	2	1
<i>Gonichthys tenuiculus</i>	49	44	38	45	37	12	81	126	181	55
<i>Hygophum</i> spp.	29	20	23	10	6	6	15	47	91	73
<i>Hygophum atratum</i>	47	35	33	36	43	22	88	96	138	21
<i>Hygophum proximum</i>	-	-	-	-	-	-	-	-	-	2
<i>Hygophum reinhardtii</i>	17	14	1	5	13	7	20	6	16	44
<i>Loweina rara</i>	19	18	33	29	14	5	7	8	9	10
<i>Myctophum aurolaternatum</i>	6	-	-	1	1	4	3	13	4	4
<i>Myctophum nitidulum</i>	30	34	7	11	13	13	27	56	105	43
<i>Protomystophum crockeri</i>	370	345	211	293	312	243	254	360	424	417
<i>Symbolophorus californiensis</i>	206	183	132	146	102	60	142	216	191	109
<i>Tarletonbeania crenularis</i>	306	399	243	164	103	236	116	90	113	222
<i>Synodus</i> spp.	41	63	44	82	41	39	70	53	66	51
<i>Bregmaceros</i> spp.	2	-	-	1	3	-	13	11	13	19
<i>Merluccius productus</i>	351	366	417	543	439	365	331	541	340	468
Moridae	1	-	-	-	-	-	5	-	-	-
<i>Physiculus</i> spp.	9	-	-	-	-	2	8	5	2	3
Macrouridae	5	4	6	15	3	6	2	7	3	4
Ophidiiformes	68	53	52	37	26	37	74	61	43	41
<i>Brosomphycis marginata</i>	9	18	9	19	6	12	14	16	10	3
Carapidae	2	1	1	3	1	2	-	4	-	1
<i>Chilara taylori</i>	6	17	-	8	14	9	6	-	17	8
<i>Ophidion scrippsae</i>	17	13	5	17	4	19	53	15	44	43
<i>Porichthys</i> spp.	2	-	1	-	-	-	-	-	-	1
Antennariidae	1	-	-	-	-	-	1	-	-	-
Ceratioidei	3	3	-	2	-	2	16	16	50	19
Lophiidae	-	-	-	-	-	-	-	-	1	-
Gobiesocidae	-	1	-	-	1	-	1	1	1	1
Exocoetidae	8	2	6	1	-	1	5	1	6	4
Hemiramphidae	5	-	-	-	-	-	1	1	-	-
<i>Cololabis saira</i>	53	28	42	22	54	23	14	28	20	16
Atherinidae	2	6	3	7	3	3	1	2	1	1
Trachipteridae	32	40	28	17	13	12	28	31	12	32
<i>Melamphaes</i> spp.	221	233	151	189	166	138	212	238	209	157
<i>Poromitra</i> spp.	1	4	12	28	4	18	21	4	17	19
<i>Scopeloberyx robustus</i>	-	-	-	-	-	-	-	-	-	3
<i>Scopelogadus bispinosus</i>	4	4	1	15	6	5	26	27	60	26
Fistulariidae	-	-	-	-	-	-	-	1	-	-
<i>Macroramphosus gracilis</i>	1	-	-	-	2	-	2	-	1	1
<i>Syngnathus</i> spp.	5	6	12	4	6	2	5	2	3	7

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Agonidae	2	4	12	23	10	7	11	11	8	8
<i>Anoplopoma fimbria</i>	-	1	1	-	-	-	-	-	-	-
Cottidae	24	36	22	49	57	37	31	20	27	30
<i>Scorpaenichthys marmoratus</i>	6	8	3	17	4	13	3	6	4	6
Cyclopteridae	4	13	16	8	5	8	3	4	2	11
Hexagrammidae	1	-	-	-	-	-	1	2	-	1
<i>Ophiodon elongatus</i>	-	1	-	-	2	1	1	3	-	-
<i>Oxylebius pictus</i>	-	1	4	3	-	7	4	12	3	9
<i>Zaniolepis</i> spp.	-	1	9	5	4	9	2	6	6	9
Scorpaenidae	10	9	2	-	-	1	1	9	2	2
<i>Scorpaena</i> spp.	-	-	-	-	-	15	30	-	28	29
<i>Sebastes</i> spp.	600	686	771	841	637	613	558	665	602	572
<i>Sebastolobus</i> spp.	24	16	2	1	-	2	5	2	10	25
<i>Prionotus</i> spp.	24	19	12	13	-	19	30	25	28	17
Blennioidei	2	-	-	-	-	1	2	-	-	1
Bathymasteridae	-	-	-	-	-	-	-	-	-	1
<i>Hypsoblennius</i> spp.	18	32	38	27	14	11	26	51	59	47
Clinidae	7	4	12	19	15	17	14	20	15	18
Gobiidae	116	107	61	113	56	71	93	84	108	67
<i>Icosteus aenigmaticus</i>	1	4	-	-	-	1	-	-	2	3
Labridae	74	135	93	124	57	39	97	82	122	75
Pomacentridae	-	-	-	14	-	8	24	9	18	2
<i>Chromis punctipinnis</i>	37	27	-	21	4	18	12	16	16	38
<i>Hypsypops rubicundus</i>	-	-	-	-	-	-	-	-	2	-
<i>Mugil</i> spp.	2	-	-	1	-	2	1	-	9	3
Apogonidae	1	-	2	-	-	-	15	5	5	4
<i>Brama</i> spp.	4	1	-	2	2	-	10	3	9	6
Carangidae	15	14	-	9	-	9	1	15	26	12
<i>Seriola</i> spp.	-	-	-	1	-	-	-	-	1	1
<i>Seriola lalandi</i>	-	-	-	5	2	11	36	7	36	21
<i>Trachurus symmetricus</i>	372	419	322	373	369	217	295	328	286	227
<i>Coryphaena hippurus</i>	-	-	-	-	-	6	24	13	27	7
Gerreidae	-	-	-	-	-	-	13	5	7	8
Haemulidae	-	-	-	-	-	-	14	6	11	17
<i>Girella nigricans</i>	-	5	-	1	-	3	3	4	2	4
<i>Medialuna californiensis</i>	9	11	-	17	5	5	12	2	1	4
<i>Caulolatilus princeps</i>	-	-	-	12	4	8	10	2	10	9
Mullidae	-	-	-	-	-	-	-	-	6	-
Priacanthidae	-	-	-	-	-	-	-	-	1	-
Sciaenidae	12	61	30	90	61	58	70	76	71	74
Serranidae	20	29	10	29	1	8	17	31	66	39
Gempylidae	2	1	-	-	-	-	-	6	4	10
Scombridae	-	1	-	1	2	-	7	4	3	40
<i>Auxis</i> spp.	9	1	1	1	-	9	23	3	20	-
<i>Euthynnus</i> spp.	-	-	-	-	-	-	-	-	3	-
<i>Sarda chiliensis</i>	-	-	-	-	-	-	1	2	9	-
<i>Scomber japonicus</i>	59	73	97	119	93	4	71	81	65	45
<i>Scomberomorus</i> spp.	1	-	-	-	-	39	1	3	2	-

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
<i>Thunnus albacares</i>	-	-	-	-	-	-	-	8	2	-
Trichiuridae	23	31	16	36	25	28	47	24	61	45
<i>Sphyræna argentea</i>	14	16	5	6	3	14	15	15	27	28
<i>Isichthys lockingtoni</i>	125	139	114	125	105	95	70	79	74	86
Nomeidae	-	-	-	-	-	-	5	2	9	3
<i>Peprilus simillimus</i>	14	50	28	38	47	34	37	26	22	12
<i>Tetragonurus cuvieri</i>	29	17	8	10	65	146	124	17	26	29
Chiasmodontidae	24	33	16	31	24	14	57	59	75	34
Uranoscopidae	1	-	-	-	-	-	1	1	1	2
Pleuronectiformes	9	13	48	46	13	6	5	11	5	16
Bothidae	-	1	-	-	-	-	-	-	-	-
<i>Citharichthys</i> spp.	3	-	1	3	1	2	4	8	4	2
<i>Citharichthys fragilis</i>	428	524	561	147	158	82	127	118	121	151
<i>Citharichthys platophrys</i>	-	-	-	152	107	93	125	101	106	137
<i>Citharichthys sordidus</i>	-	-	-	-	-	-	-	-	1	-
<i>Citharichthys stigmaeus</i>	-	-	-	109	56	59	62	69	48	20
<i>Citharichthys xanthostigma</i>	-	-	-	347	206	207	191	136	134	101
<i>Etropus</i> spp.	-	-	-	189	163	106	208	80	118	117
<i>Hippoglossina</i> spp.	-	-	-	4	-	-	16	16	20	14
<i>Hippoglossina stomata</i>	1	-	-	-	-	-	-	-	-	1
<i>Paralichthys</i> spp.	13	27	42	57	22	34	44	33	32	39
<i>Paralichthys californicus</i>	-	-	-	-	-	-	-	1	-	1
<i>Syacium ovale</i>	18	50	19	42	22	23	30	48	37	39
<i>Xystreurus liolepis</i>	5	2	1	3	-	2	6	8	8	1
<i>Eopsetta jordani</i>	3	16	10	5	4	1	7	2	5	8
<i>Glyptocephalus zachirus</i>	-	1	-	-	-	-	-	14	8	-
<i>Hypopsetta guttulata</i>	12	25	6	9	5	8	11	3	8	7
<i>Isopsetta isolepis</i>	-	-	2	-	-	-	1	1	-	1
<i>Lyopsetta exilis</i>	-	-	-	-	-	-	-	50	-	50
<i>Microstomus pacificus</i>	51	80	68	116	57	74	90	50	48	15
<i>Parophrys vetulus</i>	28	30	17	17	30	19	26	20	20	30
<i>Pleuronichthys</i> spp.	-	31	45	51	50	36	39	62	29	30
<i>Pleuronichthys coenosus</i>	14	14	10	18	23	18	7	13	7	10
<i>Pleuronichthys decurrens</i>	17	6	13	11	17	3	5	5	5	5
<i>Pleuronichthys ritteri</i>	4	4	4	2	4	2	3	4	4	3
<i>Pleuronichthys verticalis</i>	1	8	9	-	4	5	3	3	2	2
<i>Psettichthys melanostictus</i>	3	44	24	31	26	33	40	7	7	36
<i>Symphurus</i> spp.	-	-	-	5	-	1	5	5	3	2
<i>Balistidae</i>	45	50	36	35	11	49	80	40	75	64
Tetraodontidae	1	-	-	-	-	-	-	1	-	-
Disintegrated fish larva	2	-	-	-	1	-	-	-	-	-
Unidentified fish larva	229	253	74	63	124	103	193	258	361	482
	187	218	284	161	99	100	129	181	272	343

TABLE 6. List of stations with multiple occupancies in one month during 1952. Stations were occupied twice in one month except those indicated by an asterisk, which were occupied three times.

Station			Month		
117.0	26.0	3	90.0	28.0	6
117.0	30.0	3	90.0	30.0	6 *
117.0	35.0	3	90.0	37.0	6 *
117.0	40.0	3	90.0	45.0	6
117.0	50.0	3	90.0	53.0	6
120.0	25.0	3	90.0	60.0	6
120.0	30.0	3	93.0	30.0	6
120.0	35.0	3	93.0	40.0	6
120.0	45.0	3	93.0	50.0	6
120.0	50.0	3	93.0	60.0	6
120.0	60.0	3	97.0	30.0	6
120.0	70.0	3	97.0	40.0	6
120.0	80.0	3	97.0	50.0	6
120.0	90.0	3	97.0	60.0	6
123.0	37.0	3	100.0	29.0	6
123.0	40.0	3	100.0	30.0	6
123.0	50.0	3	100.0	35.0	6
123.0	60.0	3	100.0	40.0	6
127.0	34.0	3	100.0	50.0	6
127.0	40.0	3	100.0	60.0	6
127.0	50.0	3	103.0	30.0	6
127.0	60.0	3	103.0	35.0	6
130.0	30.0	3	113.0	30.0	8
130.0	35.0	3	117.0	26.0	8
130.0	40.0	3	117.0	30.0	8
130.0	50.0	3	117.0	40.0	8
130.0	60.0	3	120.0	25.0	8
133.0	25.0	3	120.0	35.0	8
133.0	30.0	3	121.0	30.0	8
133.0	40.0	3			
133.0	50.0	3			
137.0	23.0	3			
137.0	30.0	3			
137.0	40.0	3			
113.0	30.0	4			
113.0	35.0	4			
113.0	40.0	4			
113.0	60.0	4			
113.0	65.0	4			
113.0	70.0	4			
117.0	60.0	4			
117.0	65.0	4			
117.0	70.0	4			
120.0	45.0	4			
123.0	40.0	4			
123.0	45.0	4			
87.0	35.0	6			

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